

Converting Colors

XYZ(83.6830, 100.0000,
90.0100)

Have a look what the booklet for
XYZ(83.6830, 100.0000, 90.0100)
contains.

XYZ(79.8617, 92.6053, 88.5284)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(79.8617, 92.6053,
88.5284)**

Conversions

Conversions Part 1

Format	Color
Hex	DDFFE6
RGB	221, 255, 230
RGB Percent	87%, 100%, 90%
CMY	0.1333, 0.0000, 0.0980
CMYK	0.13, 0.00, 0.10, 0.00
HSL	136°, 100%, 93%
HSV	136°, 13%, 100%
XYZ	79.8617, 92.6053, 88.5284
YIQ	241.9840, -12.2390, -14.9830

Conversions

Conversions Part 2

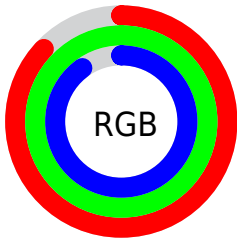
Format	Color
R _Y B	221, 248, 255
Decimal	14548966
CIE Lab	97.07, -15.55, 8.28
CIE LCh	97, 17.611, 151.973
Yxy	92.6053, 0.3060, 0.3548
Android (android.graphics.Color)	4292739046 (0xFFDDFFE6)
YUV	241.9840, -5.9081, -18.4030
Hunter-Lab	96.2316, -20.2700, 12.8183

Details

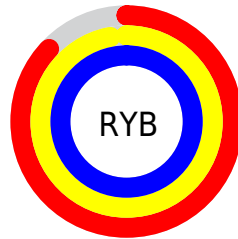
The XYZ color **79.8617, 92.6053, 88.5284** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **83.7314, 79.6275, 98.1450**, and the grayscale version is **84.4372, 88.8345, 96.7408**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **43.6578, 51.5903, 48.2144** is the 20% darker color. If you saturate the color by 10%, you get **70.1851, 87.9049, 75.0624**, and if you desaturate by 10%, it is **91.0024, 98.0277, 103.5443**.

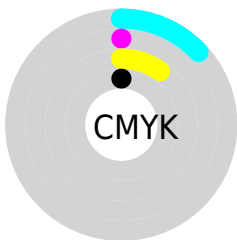
Distribution



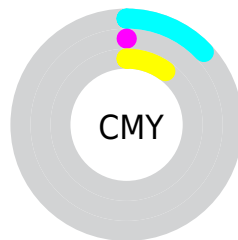
- Red (87%)
- Green (100%)
- Blue (90%)



- Red (87%)
- Yellow (97%)
- Blue (100%)



- Cyan (13%)
- Magenta (0%)
- Yellow (10%)
- Black (0%)





- Cyan (13%)
- Magenta (0%)
- Yellow (10%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 79.8617, 92.6053, 88.5284 changes by changing the brightness by 10 percent. The first figure shows a shift by +10% for each color and the second figure -10%.

Similar to the brightness gradients but the following saturation gradients show a change of the XYZ color 79.8617, 92.6053, 88.5284 by changing the saturation by 10% instead.


 79.8617, 92.6053,
88.5284

 79.8617, 92.6053,
88.5284


483.2103,
536.4698, 543.6782

 59.9126, 70.1435,
66.1939

132.1228,
150.9520, 147.2102

 43.5974, 51.6435,
47.9724


165.1656,
187.6058, 184.3946

 30.5507, 36.7210,
33.4452


203.3036,
229.7589, 227.3660

 20.4071, 24.9916,
22.1938

246.9023,
277.7959, 276.5431

 12.8013, 16.0708,
13.7997

296.3269,
332.1011, 332.3443

 7.3679, 9.5742,
7.8443

351.9429,

 3.7416, 5.1176,

393.0589, 395.1882

3.9092

414.1155,
461.0537, 465.4933

■ 1.5570, 2.3164,
1.5756

■ 0.3641, 0.7824,
0.2733

■ 79.8617, 92.6053,
88.5284

■ 79.8617, 92.6053,
88.5284

■ 70.1851, 87.9049,
75.0624

■ 91.0024, 98.0277,
103.5443

■ 61.9082, 83.8943,
63.0923

95.0500, 100.0000,
108.9000

■ 54.9654, 80.5410,
52.5676

■ 49.2847, 77.8088,
43.4333

■ 44.7872, 75.6583,
35.6306

■ 41.3847, 74.0453,
29.0969

■ 38.9760, 72.9191,
23.7639

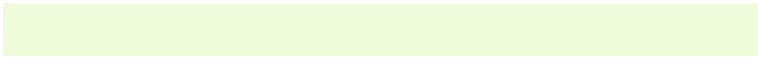
■ 37.4394, 72.2185,
19.5570

■ 36.7884, 71.9313,
17.3353

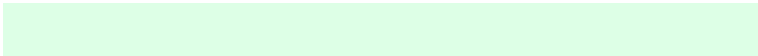
Harmonies

Analogous

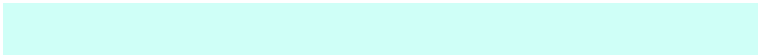
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



83.0621, 92.6053, 79.3815



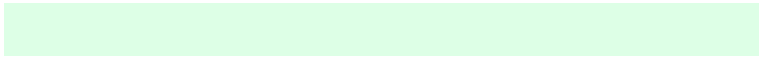
79.8617, 92.6053, 88.5284



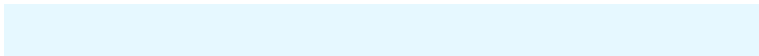
78.8228, 92.6053, 101.7752

Triad

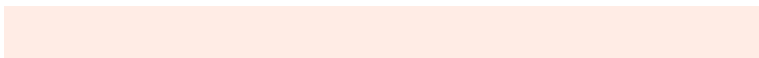
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



79.8617, 92.6053, 88.5284



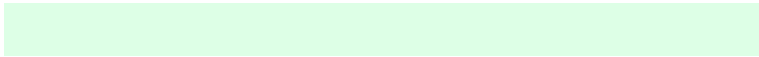
88.3475, 92.6053, 130.6817



96.3634, 92.6053, 87.0426

Complementary

The Complementary color scheme is a pair of colors which are on the opposite of each other on the color wheel.



79.8617, 92.6053, 88.5284



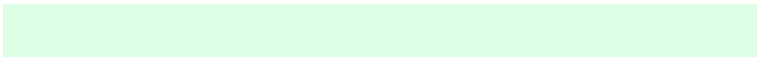
83.7314, 79.6275, 98.1450

Split Complementary

Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



97.9031, 92.6053, 99.8935



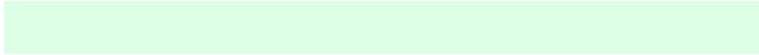
79.8617, 92.6053, 88.5284



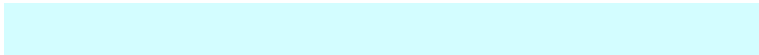
93.1683, 92.6053, 125.8343

Square

The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



79.8617, 92.6053, 88.5284



83.6108, 92.6053, 126.9280



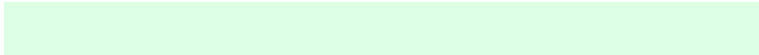
96.7127, 92.6053, 114.2246



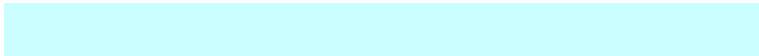
92.5786, 92.6053, 78.5820

Rectangle

The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



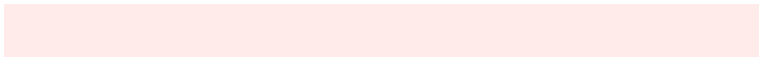
79.8617, 92.6053, 88.5284



79.4632, 92.6053, 111.4057



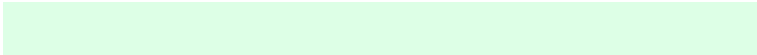
96.7127, 92.6053, 114.2246



97.1669, 92.6053, 90.9483

Sweetspot

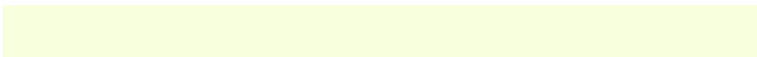
The Sweet Spot groups the original color and five complimentary colors.



79.8625, 92.6057, 88.5299



90.2123, 97.6429, 102.4932



86.9932, 96.4240, 82.4344



19.1202, 20.8076, 21.6860



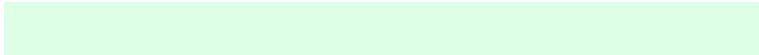
0.0000, 0.0000, 0.0000



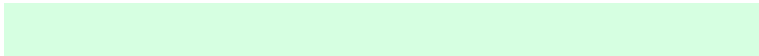
20.3446, 21.4041, 23.3091

Same Dimension

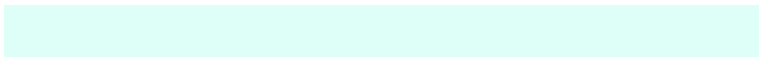
The Same Dimension uses a secret algorithm to generate beautiful new colors.



79.8625, 92.6057, 88.5299



77.1407, 91.2825, 84.7884



82.2908, 93.5770, 101.3170



17.9690, 20.2471, 20.1396



19.2748, 37.6065, 9.3322



1.9195, 3.6787, 1.1342

Inverse Universe

The Inverse Universe completely reimagines the original color for something new.



83.7314, 79.6275, 98.1450



81.6966, 75.9982, 96.1097



81.3098, 78.6589, 85.3934



18.5753, 18.2134, 21.6467



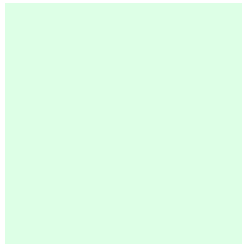
26.3283, 13.0206, 26.1771



2.6087, 1.2858, 2.7867

Previews

White Background



This preview shows how the XYZ color 79.8617, 92.6053, 88.5284 looks on a white background.

Color Contrast Check

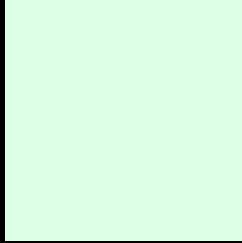
Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



This preview shows how the XYZ color 79.8617, 92.6053, 88.5284 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

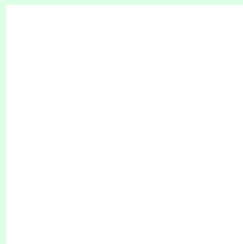
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 79.8617, 92.6053, 88.5284

Background



This preview shows how black text looks on a background with the XYZ color 79.8617, 92.6053, 88.5284.



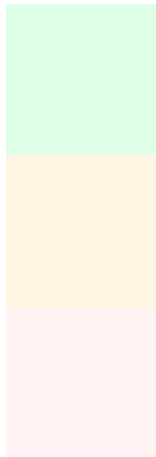
This preview shows how white text looks on a background with the XYZ color 79.8617, 92.6053,

88.5284.

Color Blindness Simulation

Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy



Original Color

79.8617, 92.6053, 88.5284

Protanopia

87.6199, 92.0558, 85.1020

Deuteranopia

89.7683, 92.4324, 97.9040



Tritanopia

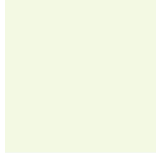
86.9074, 92.0923, 107.8028

Trichromacy



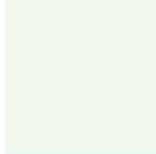
Original Color

79.8617, 92.6053, 88.5284



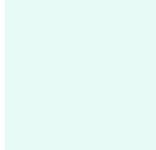
Protanomaly

84.7030, 92.3521, 86.0345



Deuteranomaly

85.9622, 92.3625, 94.1860



Tritanomaly

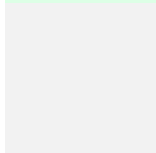
84.0989, 92.1808, 100.5490

Monochromacy



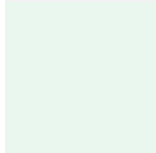
Original Color

79.8617, 92.6053, 88.5284



Achromatopsia

84.3971, 88.7923, 96.6948



Achromatomaly

82.6251, 90.1870, 93.9419

CSS Examples

Text

The CSS property to change the color of the text to XYZ 79.8617, 92.6053, 88.5284 is called "color". The color property can be set on classes, ids or directly on the HTML element.

This example shows how text in the color `rgb(221, 255, 230)` looks like.

```
.text, #text, p{  
    color:rgb(221, 255, 230)  
}
```

If you want to add a text shadow in that color use the text-shadow property, you can generate a text shadow directly with our [CSS Text Shadow Generator](#).

Here you see how black text with a 4 pixel rgb(221, 255, 230) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(221, 255, 230) }
```

Border

The CSS property to change the border of an element to XYZ 79.8617, 92.6053, 88.5284 is called "border". The border property can be set on classes, ids or directly on the HTML element.

This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(221, 255, 230) }
```


If only the border color should be changed use the property `border-color`.

```
.border{ border-color:rgb(221, 255, 230) }
```

If you want to add a box shadow in that color use:

Here you see how a box with a 4 pixel `rgb(221, 255, 230)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(221, 255, 230); -webkit-box-  
shadow:4px 4px 4px 4px rgb(221, 255, 230);  
box-shadow:4px 4px 4px 4px rgb(221, 255,  
230) }
```

Background

The CSS property to change the background color of an element to XYZ 79.8617, 92.6053, 88.5284 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(221, 255, 230) }
```

If only the background color should be changed can be used:

```
.background{ background-color: rgb(221,  
255, 230) }
```

This example shows the color as background, it is applied via the CSS property "background".

To optimize and compress your CSS code, you can use our [online CSS compressor and optimizer](#) based on csstidy. If you want to create a linear or radial gradient as background or border, check our [CSS Gradient Generator](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor