

Converting Colors

XYZ(80.1103, 93.3988, 90.5489)

Have a look what the booklet for
XYZ(80.1103, 93.3988, 90.5489)
contains.

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Color

**XYZ(79.6814, 92.4633,
90.7383)**

Conversions

Conversions Part 1

Format	Color
Hex	DBFFE9
RGB	219, 255, 233
RGB Percent	86%, 100%, 91%
CMY	0.1412, 0.0000, 0.0863
CMYK	0.14, 0.00, 0.09, 0.00
HSL	143°, 100%, 93%
HSV	143°, 14%, 100%
XYZ	79.6814, 92.4633, 90.7383
YIQ	241.7280, -14.3940, -14.4740

Conversions

Conversions Part 2

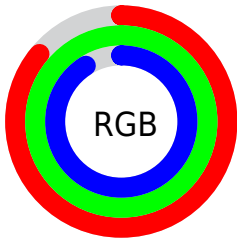
Format	Color
R _{YB}	219, 245, 255
Decimal	14417897
CIE Lab	97.01, -15.65, 6.63
CIE LCh	97, 17.000, 157.027
Yxy	92.4633, 0.3031, 0.3517
Android (android.graphics.Color)	4292607977 (0xFFDBFFE9)
YUV	241.7280, -4.3029, -19.9325
Hunter-Lab	96.1578, -20.3618, 11.3621

Details

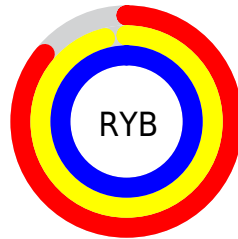
The XYZ color **79.6814, 92.4633, 90.7383** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **82.4491, 78.2748, 93.9820**, and the grayscale version is **84.2237, 88.6099, 96.4962**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **43.4397, 51.4550, 49.2373** is the 20% darker color. If you saturate the color by 10%, you get **70.4594, 87.9551, 79.1952**, and if you desaturate by 10%, it is **90.2767, 97.6566, 103.3747**.

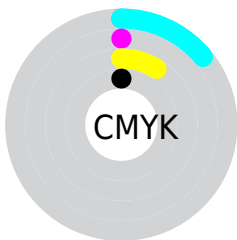
Distribution



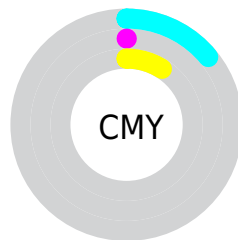
- Red (86%)
- Green (100%)
- Blue (91%)



- Red (86%)
- Yellow (96%)
- Blue (100%)



- Cyan (14%)
- Magenta (0%)
- Yellow (9%)
- Black (0%)





- Cyan (14%)
- Magenta (0%)
- Yellow (9%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 79.6814, 92.4633, 90.7383 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 79.6814, 92.4633, 90.7383 by changing the saturation by 10% instead.


 79.6814, 92.4633,
90.7383

 79.6814, 92.4633,
90.7383


482.6114,
536.0117, 551.0615

 59.7638, 70.0255,
68.0160


131.8706,
150.7554, 150.3080

 43.4770, 51.5473,
49.4440


164.8729,
187.3784, 187.9924

 30.4557, 36.6444,
34.6037


202.9674,
229.4986, 231.5013

 20.3345, 24.9323,
23.0767

246.5195,
277.5005, 281.2532

 12.7481, 16.0266,
14.4443

295.8946,
331.7683, 337.6666

 7.3311, 9.5430,
8.2881

351.4581,

 3.7182, 5.0970,

392.6865, 401.1601

4.1894

413.5752,
460.6395, 472.1523

■ 1.5440, 2.3043,
1.7298

■ 0.3555, 0.7760,
0.3810

■ 79.6814, 92.4633,
90.7383

■ 79.6814, 92.4633,
90.7383

■ 70.4594, 87.9551,
79.1952

■ 90.2767, 97.6566,
103.3747

■ 62.5501, 84.1015,
68.7120

95.0500, 100.0000,
108.9000

■ 55.8915, 80.8712,
59.2597

■ 50.4157, 78.2298,
50.8064

■ 46.0478, 76.1392,
43.3185

■ 42.7041, 74.5572,
36.7603

■ 40.2879, 73.4345,
31.0940

■ 38.6819, 72.7115,
26.2783

■ 38.0204, 72.4242,
23.8230

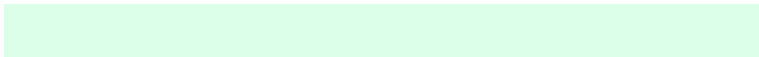
Harmonies

Analogous

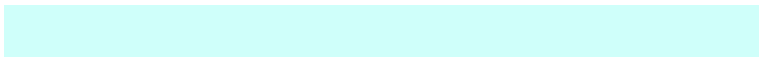
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



82.4583, 92.4633, 81.0705



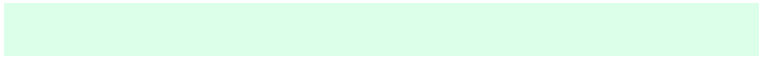
79.6814, 92.4633, 90.7383



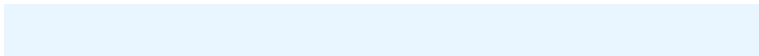
79.0642, 92.4633, 103.9353

Triad

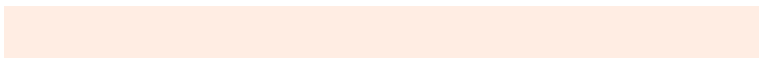
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



79.6814, 92.4633, 90.7383



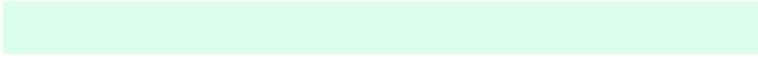
89.0141, 92.4633, 129.1605



95.4359, 92.4633, 85.6271

Complementary

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



79.6814, 92.4633, 90.7383



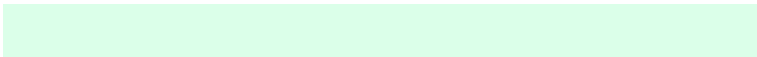
82.4491, 78.2748, 93.9820

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.



97.3356, 92.4633, 97.4871



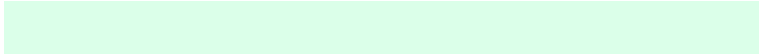
79.6814, 92.4633, 90.7383



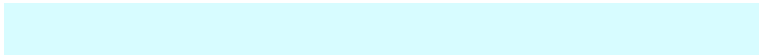
93.5418, 92.4633, 123.2139

Square

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



79.6814, 92.4633, 90.7383



84.3411, 92.4633, 126.9396



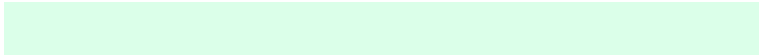
96.6302, 92.4633, 111.3158



91.5239, 92.4633, 78.3119

Rectangle

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



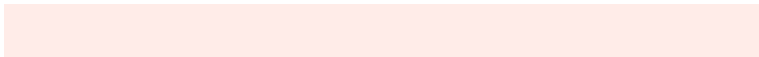
79.6814, 92.4633, 90.7383



79.9394, 92.4633, 113.1325



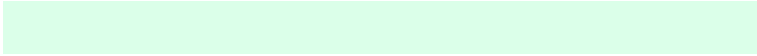
96.6302, 92.4633, 111.3158



96.3374, 92.4633, 89.1707

Sweetspot

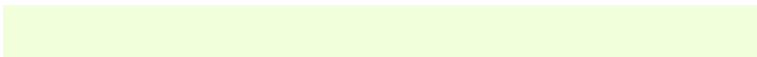
The Sweet Spot groups the original color and five complimentary colors.



79.6822, 92.4636, 90.7398



90.4090, 97.7215, 103.5291



84.8906, 95.3707, 80.9532



19.1699, 20.8275, 21.9476



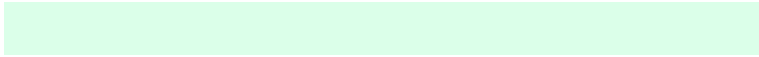
0.0000, 0.0000, 0.0000



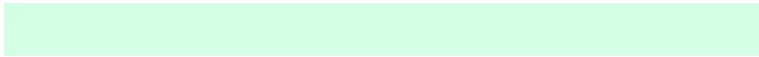
20.3446, 21.4041, 23.3091

Same Dimension

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



79.6822, 92.4636, 90.7398



76.8850, 91.0949, 87.3008



82.3550, 93.5328, 104.8148



18.0640, 20.2851, 20.6401



19.9342, 37.8703, 12.8048



1.9926, 3.7080, 1.5187

Inverse Universe

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



82.4491, 78.2748, 93.9820



80.1494, 74.3535, 91.1247



79.9184, 77.2625, 80.6556



18.4758, 18.1736, 21.1228



24.7521, 12.3901, 17.8768



2.4636, 1.2278, 2.0229

Previews

White Background



This preview shows how the XYZ color 79.6814, 92.4633, 90.7383 looks on a white background.

Color Contrast Check

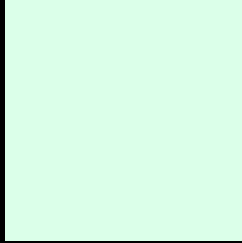
Large Text (above 18pt) WCAG AA × Fail

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 79.6814, 92.4633, 90.7383 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

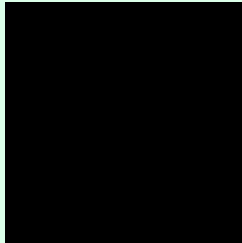
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

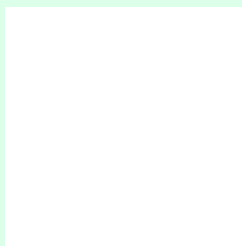
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 79.6814, 92.4633, 90.7383

Background



This preview shows how black text looks on a background with the XYZ color 79.6814, 92.4633, 90.7383.



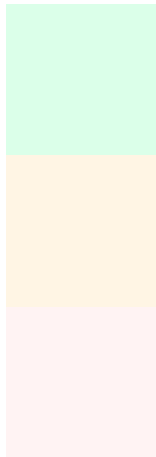
This preview shows how white text looks on a background with the XYZ color 79.6814, 92.4633,

90.7383.

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

79.6814, 92.4633, 90.7383

Protanopia

87.8960, 92.1663, 86.5560

Deuteranopia

89.4683, 91.8322, 97.8039



Tritanopia

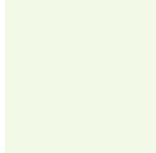
86.9074, 92.0923, 107.8028

Trichromacy



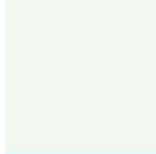
Original Color

79.6814, 92.4633, 90.7383



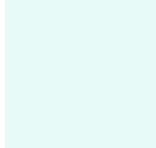
Protanomaly

84.7766, 92.3418, 88.2185



Deuteranomaly

85.4587, 91.6308, 94.8437



Tritanomaly

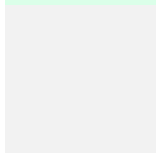
84.2528, 92.2424, 101.3597

Monochromacy



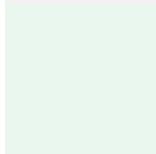
Original Color

79.6814, 92.4633, 90.7383



Achromatopsia

84.3971, 88.7923, 96.6948



Achromatomaly

82.7724, 90.2459, 94.7180

CSS Examples

Text

The CSS property to change the color of the text to XYZ 79.6814, 92.4633, 90.7383 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(219, 255, 233)` looks like.

```
.text, #text, p{  
    color:rgb(219, 255, 233)  
}
```

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(219, 255, 233) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(219, 255, 233) }
```

Border

The CSS property to change the border of an element to XYZ 79.6814, 92.4633, 90.7383 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(219, 255, 233) }
```


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

```
.border{ border-color:rgb(219, 255, 233) }
```

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

Here you see how a box with a 4 pixel `rgb(219, 255, 233)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(219, 255, 233); -webkit-box-  
shadow:4px 4px 4px 4px rgb(219, 255, 233);  
box-shadow:4px 4px 4px 4px rgb(219, 255,  
233) }
```

Background

The CSS property to change the background color of an element to XYZ 79.6814, 92.4633, 90.7383 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(219, 255, 233) }
```

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

```
.background{ background-color: rgb(219,  
255, 233) }
```

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](#).

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