

Converting Colors

XYZ(76.7945, 91.2309, 79.0406)

Have a look what the booklet for
XYZ(76.7945, 91.2309, 79.0406)
contains.

XYZ(76.8997, 91.2815, 79.2117)	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(76.8997, 91.2815,
79.2117)**

Conversions

Conversions Part 1

Format	Color
Hex	D9FFD9
RGB	217, 255, 217
RGB Percent	85%, 100%, 85%
CMY	0.1490, 0.0000, 0.1490
CMYK	0.15, 0.00, 0.15, 0.00
HSL	120°, 100%, 93%
HSV	120°, 15%, 100%
XYZ	76.8997, 91.2815, 79.2117
YIQ	239.3060, -10.4500, -19.8740

Conversions

Conversions Part 2

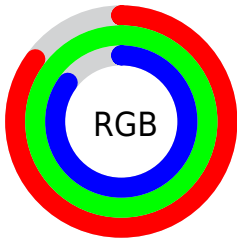
Format	Color
RYB	217, 255, 255
Decimal	14286809
CIELab	96.53, -19.12, 14.13
CIElCh	97, 23.776, 143.525
Yxy	91.2815, 0.3108, 0.3690
Android (android.graphics.Color)	4292476889 (0xFFD9FFD9)
YUV	239.3060, -10.9969, -19.5624
Hunter-Lab	95.5414, -23.5256, 17.7226

Details

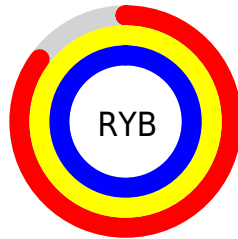
The XYZ color **76.8997, 91.2815, 79.2117** is a light color, and the websafe version is hex **CCFFCC**. A complement of this color would be **84.1032, 78.1065, 105.2507**, and the grayscale version is **82.3709, 86.6606, 94.3733**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **41.6160, 50.6782, 41.7709** is the 20% darker color. If you saturate the color by 10%, you get **66.8316, 86.4453, 62.7438**, and if you desaturate by 10%, it is **88.6528, 96.9271, 98.4363**.

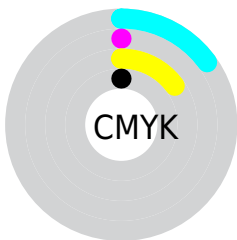
Distribution



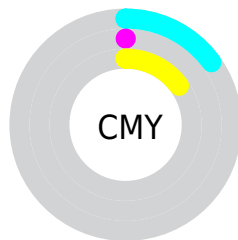
- Red (85%)
- Green (100%)
- Blue (85%)



- Red (85%)
- Yellow (100%)
- Blue (100%)



- Cyan (15%)
- Magenta (0%)
- Yellow (15%)
- Black (0%)





- Cyan (15%)
- Magenta (0%)
- Yellow (15%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 76.8997, 91.2815, 79.2117 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 76.8997, 91.2815, 79.2117 by changing the saturation by 10% instead.


 76.8997, 91.2815,
79.2117

 76.8997, 91.2815,
79.2117


473.3192,
532.1908, 511.9088

 57.4702, 69.0440,
58.5475


127.9715,
149.1172, 134.0582

 41.6245, 50.7475,
41.8314

160.3445,
185.4842, 169.0777

 28.9972, 36.0077,
28.6447


197.7627,
227.3297, 209.7193

 19.2230, 24.4402,
18.5689

240.5914,
275.0383, 256.4016

 11.9365, 15.6605,
11.1856

289.1961,
328.9944, 309.5431

 6.7723, 9.2842,
6.0761

343.9420,

 3.3652, 4.9270,

389.5822, 369.5625

2.8218

405.1946,
457.1862, 436.8782

■ 1.3497, 2.2045,
1.0044

■ 0.2199, 0.7225,
0.0000

■ 76.8997, 91.2815,
79.2117

■ 76.8997, 91.2815,
79.2117

■ 66.8316, 86.4453,
62.7438

■ 88.6528, 96.9271,
98.4363

■ 58.3694, 82.3804,
48.9023

95.0500, 100.0000,
108.9000

■ 51.4307, 79.0474,
37.5529

■ 45.9251, 76.4028,
28.5474

■ 41.7525, 74.3985,
21.7222

■ 38.8000, 72.9803,
16.8927

■ 36.9360, 72.0849,
13.8437

■ 35.9987, 71.6346,
12.3105

■ 35.7600, 71.5200,
11.9201

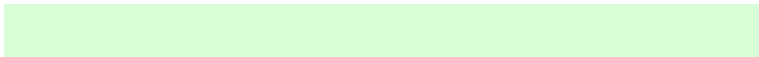
Harmonies

Analogous

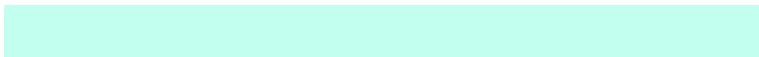
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



81.7666, 91.2815, 69.5099



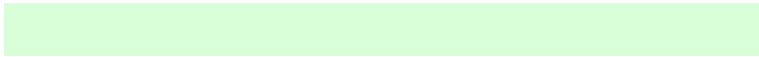
76.8997, 91.2815, 79.2117



74.6902, 91.2815, 95.3261

Triad

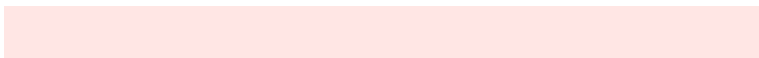
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



76.8997, 91.2815, 79.2117



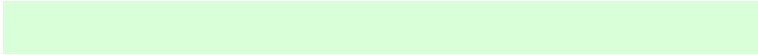
85.3295, 91.2815, 140.2984



98.9925, 91.2815, 85.5066

Complementary

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



76.8997, 91.2815, 79.2117



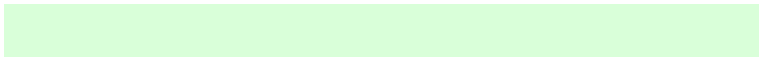
84.1032, 78.1065, 105.2507

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.



100.0655, 91.2815, 103.5679



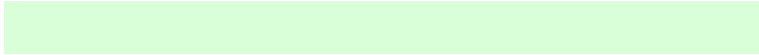
76.8997, 91.2815, 79.2117



91.9534, 91.2815, 136.7994

Square

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



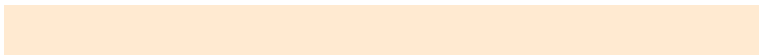
76.8997, 91.2815, 79.2117



79.3944, 91.2815, 131.7638



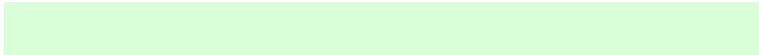
97.4298, 91.2815, 122.7334



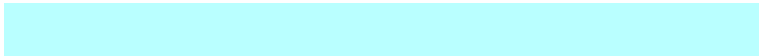
94.5684, 91.2815, 72.8074

Rectangle

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



76.8997, 91.2815, 79.2117



74.9370, 91.2815, 108.1832



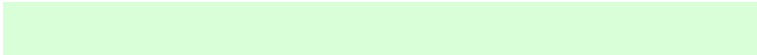
97.4298, 91.2815, 122.7334



99.7661, 91.2815, 91.0868

Sweetspot

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



76.9004, 91.2818, 79.2131



89.7974, 97.4769, 100.3084



89.5246, 97.7898, 79.8036



19.0157, 20.7658, 21.1354



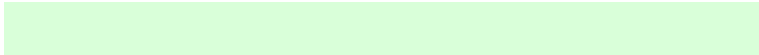
0.0000, 0.0000, 0.0000



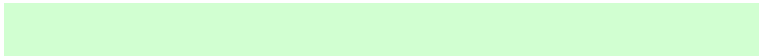
20.3446, 21.4041, 23.3091

Same Dimension

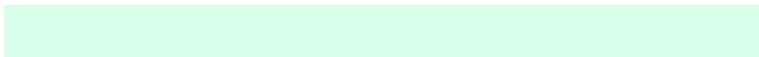
The Same Dimension uses a secret algorithm to generate beautiful new colors.



76.9004, 91.2818, 79.2131



73.6039, 89.6983, 73.8211



79.5162, 92.3281, 92.9876



17.7717, 20.1682, 19.1006



18.6854, 37.3707, 6.2285



1.8193, 3.6387, 0.6065

Inverse Universe

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



84.1032, 78.1065, 105.2507



82.1149, 74.1300, 104.5878



81.1937, 76.9427, 89.9295



18.7928, 18.3004, 22.7917



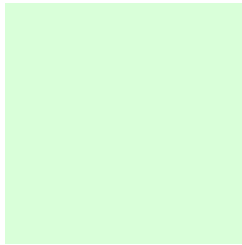
30.9800, 14.8813, 50.6727



3.0164, 1.4489, 4.9338

Previews

White Background



This preview shows how the XYZ color 76.8997, 91.2815, 79.2117 looks on a white background.

Color Contrast Check

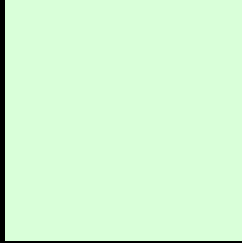
Large Text (above 18pt) WCAG AA × Fail

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 76.8997, 91.2815, 79.2117 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

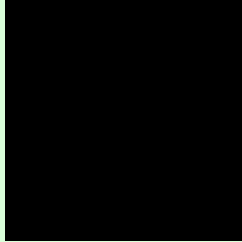
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

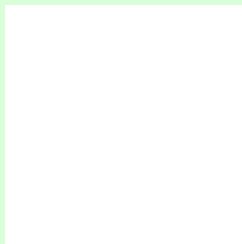
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 76.8997, 91.2815, 79.2117

Background



This preview shows how black text looks on a background with the XYZ color 76.8997, 91.2815, 79.2117.



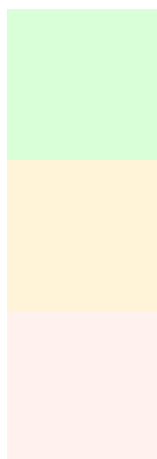
This preview shows how white text looks on a background with the XYZ color 76.8997, 91.2815,

79.2117.

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

76.8997, 91.2815, 79.2117

Protanopia

85.9854, 90.9192, 77.9830

Deuteranopia

88.4247, 90.9373, 93.7811



Tritanopia

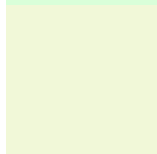
85.5978, 90.9644, 107.6541

Trichromacy



Original Color

76.8997, 91.2815, 79.2117



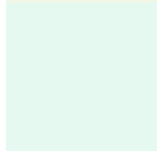
Protanomaly

82.2377, 90.7934, 78.1562



Deuteranomaly

83.8193, 90.9355, 87.9975



Tritanomaly

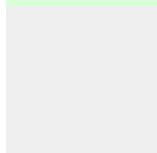
82.0660, 90.7603, 96.4122

Monochromacy



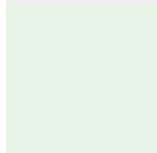
Original Color

76.8997, 91.2815, 79.2117



Achromatopsia

82.0431, 86.3157, 93.9978



Achromatomaly

80.0312, 88.0633, 88.3811

CSS Examples

Text

The CSS property to change the color of the text to XYZ 76.8997, 91.2815, 79.2117 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(217, 255, 217)` looks like.

```
.text, #text, p{  
    color:rgb(217, 255, 217)  
}
```

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(217, 255, 217) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(217, 255, 217) }
```

Border

The CSS property to change the border of an element to XYZ 76.8997, 91.2815, 79.2117 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(217, 255, 217) }
```


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

```
.border{ border-color:rgb(217, 255, 217) }
```

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

Here you see how a box with a 4 pixel `rgb(217, 255, 217)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(217, 255, 217); -webkit-box-  
shadow:4px 4px 4px 4px rgb(217, 255, 217);  
box-shadow:4px 4px 4px 4px rgb(217, 255,  
217) }
```

Background

The CSS property to change the background color of an element to XYZ 76.8997, 91.2815, 79.2117 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(217, 255, 217) }
```

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

```
.background{ background-color: rgb(217,  
255, 217) }
```

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