

Converting Colors

XYZ(78.2331, 91.7403, 89.6002)

Have a look what the booklet for
XYZ(78.2331, 91.7403, 89.6002)
contains.

XYZ(78.3498, 91.7933, 89.9323)	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(78.3498, 91.7933,
89.9323)**

Conversions

Conversions Part 1

Format	Color
Hex	D7FFE8
RGB	215, 255, 232
RGB Percent	84%, 100%, 91%
CMY	0.1569, 0.0000, 0.0902
CMYK	0.16, 0.00, 0.09, 0.00
HSL	146°, 100%, 92%
HSV	146°, 16%, 100%
XYZ	78.3498, 91.7933, 89.9323
YIQ	240.4180, -16.4570, -15.6330

Conversions

Conversions Part 2

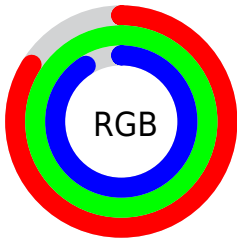
Format	Color
R _Y B	215, 243, 255
Decimal	14155752
CIE Lab	96.74, -17.11, 6.72
CIE LCh	97, 18.386, 158.555
Yxy	91.7933, 0.3013, 0.3529
Android (android.graphics.Color)	4292345832 (0xFFD7FFE8)
YUV	240.4180, -4.1501, -22.2916
Hunter-Lab	95.8088, -21.6931, 11.4128

Details

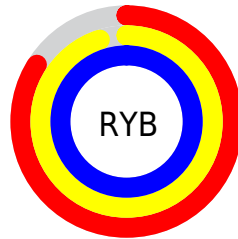
The XYZ color **78.3498, 91.7933, 89.9323** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **80.9735, 76.0348, 91.2972**, and the grayscale version is **83.1923, 87.5247, 95.3144**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **42.5278, 50.9963, 48.6761** is the 20% darker color. If you saturate the color by 10%, you get **69.4396, 87.4306, 79.0936**, and if you desaturate by 10%, it is **88.6024, 96.8279, 101.7437**.

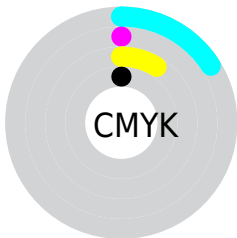
Distribution



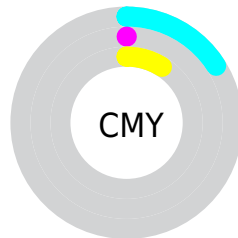
- Red (84%)
- Green (100%)
- Blue (91%)



- Red (84%)
- Yellow (95%)
- Blue (100%)



- Cyan (16%)
- Magenta (0%)
- Yellow (9%)
- Black (0%)





- Cyan (16%)
- Magenta (0%)
- Yellow (9%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 78.3498, 91.7933, 89.9323 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 78.3498, 91.7933, 89.9323 by changing the saturation by 10% instead.


 78.3498, 91.7933,
89.9323

 78.3498, 91.7933,
89.9323

478.1756,
533.8473, 548.3750

 58.6652, 69.4690,
67.3511

130.0059,
149.8269, 149.1791

 42.5890, 51.0937,
48.9066


162.7080,
186.3049, 186.6817

 29.7559, 36.2832,
34.1803


200.4800,
228.2696, 229.9952

 19.8005, 24.6530,
22.7537

243.6873,
276.1054, 279.5381

 12.3575, 15.8187,
14.2081

292.6951,
330.1967, 335.7291

 7.0616, 9.3960,
8.1252

347.8689,

 3.5473, 5.0003,

390.9278, 398.9865

4.0862

409.5739,
458.6832, 469.7290

■ 1.4494, 2.2475,
1.6728

■ 0.2910, 0.7457,
0.3420

■ 78.3498, 91.7933,
89.9323

■ 78.3498, 91.7933,
89.9323

■ 69.4396, 87.4306,
79.0936

■ 88.6024, 96.8279,
101.7437

■ 61.8113, 83.7092,
69.1986

95.0500, 100.0000,
108.9000

■ 55.4033, 80.5977,
60.2229

■ 50.1474, 78.0617,
52.1394

■ 45.9688, 76.0630,
44.9198

■ 42.7831, 74.5587,
38.5341

■ 40.4922, 73.4990,
32.9500

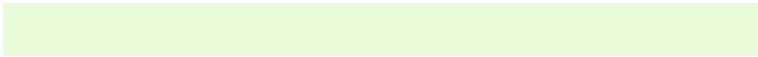
■ 38.9757, 72.8222,
28.1331

■ 38.4871, 72.6108,
26.2806

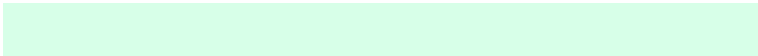
Harmonies

Analogous

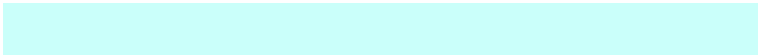
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



81.2187, 91.7933, 79.3678



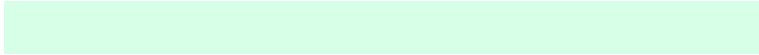
78.3498, 91.7933, 89.9323



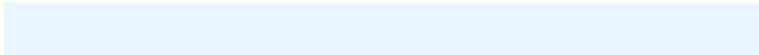
77.8154, 91.7933, 104.2263

Triad

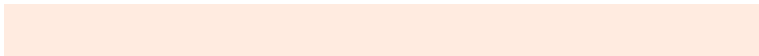
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



78.3498, 91.7933, 89.9323



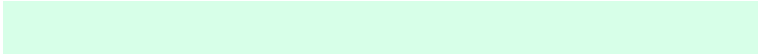
88.7283, 91.7933, 130.6996



95.2227, 91.7933, 83.2915

Complementary

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



78.3498, 91.7933, 89.9323



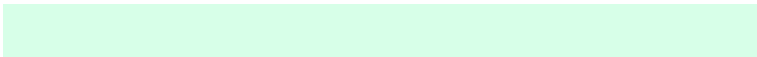
80.9735, 76.0348, 91.2972

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.



97.4110, 91.7933, 95.7871



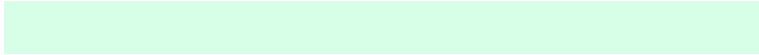
78.3498, 91.7933, 89.9323



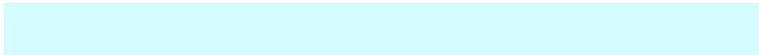
93.5660, 91.7933, 123.8082

Square

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



78.3498, 91.7933, 89.9323



83.6759, 91.7933, 128.7388



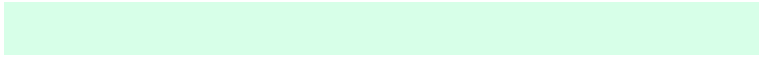
96.7930, 91.7933, 110.6795



90.9178, 91.7933, 75.8043

Rectangle

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



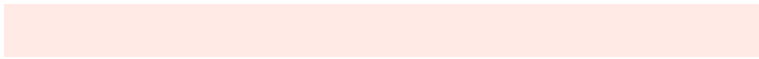
78.3498, 91.7933, 89.9323



78.8340, 91.7933, 114.1270



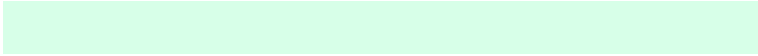
96.7930, 91.7933, 110.6795



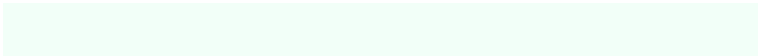
96.2378, 91.7933, 86.9936

Sweetspot

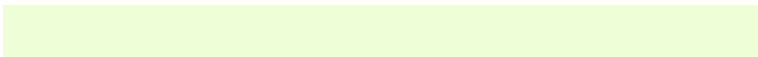
The Sweet Spot groups the original color and five complimentary colors.



78.3506, 91.7936, 89.9337



89.3558, 97.1983, 102.5896



83.3981, 94.6614, 78.1671



18.9606, 20.7232, 21.7728



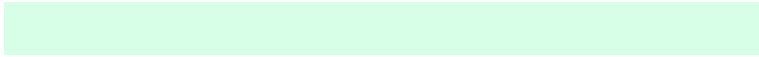
0.0000, 0.0000, 0.0000



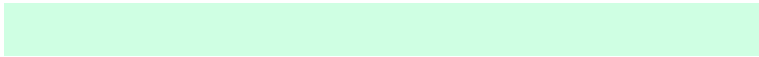
20.3446, 21.4041, 23.3091

Same Dimension

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



78.3506, 91.7936, 89.9337



75.2514, 90.2746, 86.2346



81.3027, 92.9745, 105.4796



18.0919, 20.2963, 20.7872



20.1813, 37.9691, 14.1059



2.0183, 3.7182, 1.6540

Inverse Universe

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



80.9735, 76.0348, 91.2972



78.3539, 71.6319, 87.8460



78.2396, 74.9413, 76.9011



18.4472, 18.1622, 20.9720



24.3613, 12.2338, 15.8191



2.4267, 1.2130, 1.8282

Previews

White Background



This preview shows how the XYZ color 78.3498, 91.7933, 89.9323 looks on a white background.

Color Contrast Check

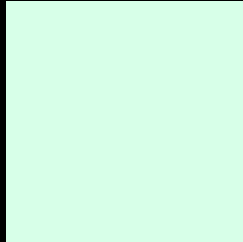
Large Text (above 18pt) WCAG AA × Fail

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 78.3498, 91.7933, 89.9323 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

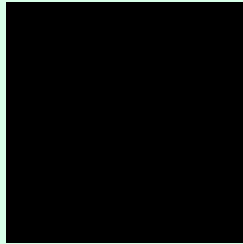
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

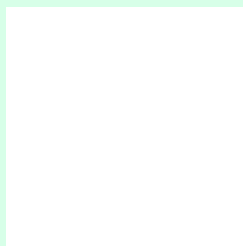
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 78.3498, 91.7933, 89.9323

Background



This preview shows how black text looks on a background with the XYZ color 78.3498, 91.7933, 89.9323.



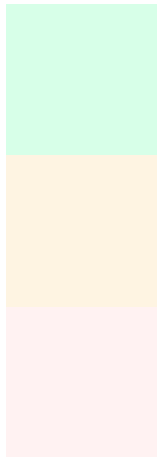
This preview shows how white text looks on a background with the XYZ color 78.3498, 91.7933,

89.9323.

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

78.3498, 91.7933, 89.9323

Protanopia

86.9512, 91.2632, 84.9842

Deuteranopia

89.0191, 91.1751, 96.9111



Tritanopia

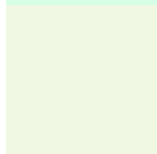
85.9028, 91.5744, 107.7558

Trichromacy



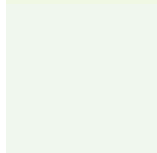
Original Color

78.3498, 91.7933, 89.9323



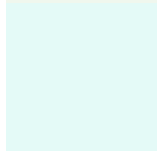
Protanomaly

83.5062, 91.2615, 86.6128



Deuteranomaly

84.6286, 91.2198, 94.0357



Tritanomaly

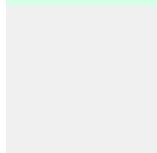
82.9690, 91.5806, 101.2996

Monochromacy



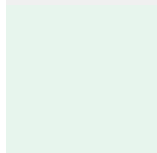
Original Color

78.3498, 91.7933, 89.9323



Achromatopsia

82.8234, 87.1367, 94.8919



Achromatomaly

80.8935, 88.4082, 92.9217

CSS Examples

Text

The CSS property to change the color of the text to XYZ 78.3498, 91.7933, 89.9323 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(215, 255, 232)` looks like.

```
.text, #text, p{  
    color:rgb(215, 255, 232)  
}
```

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(215, 255, 232) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(215, 255, 232) }
```

Border

The CSS property to change the border of an element to XYZ 78.3498, 91.7933, 89.9323 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(215, 255, 232) }
```


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

```
.border{ border-color:rgb(215, 255, 232) }
```

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

Here you see how a box with a 4 pixel `rgb(215, 255, 232)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(215, 255, 232); -webkit-box-  
shadow:4px 4px 4px 4px rgb(215, 255, 232);  
box-shadow:4px 4px 4px 4px rgb(215, 255,  
232) }
```

Background

The CSS property to change the background color of an element to XYZ 78.3498, 91.7933, 89.9323 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(215, 255, 232) }
```

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

```
.background{ background-color: rgb(215,  
255, 232) }
```

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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