

Converting Colors

XYZ(68.1104, 75.9729, 82.0892)

Have a look what the booklet for
XYZ(68.1104, 75.9729, 82.0892)
contains.

XYZ(68.1789, 75.9980, 82.3098)	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(68.1789, 75.9980,
82.3098)**

Conversions

Conversions Part 1

Format	Color
Hex	D0E7E1
RGB	208, 231, 225
RGB Percent	82%, 91%, 88%
CMY	0.1843, 0.0941, 0.1176
CMYK	0.10, 0.00, 0.03, 0.09
HSL	164°, 32%, 86%
HSV	164°, 10%, 91%
XYZ	68.1789, 75.9980, 82.3098
YIQ	223.4390, -11.7820, -6.7420

Conversions

Conversions Part 2

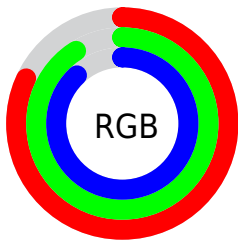
Format	Color
R_{YB}	208, 221, 231
Decimal	13690849
CIE _{Lab}	89.86, -8.70, 0.32
CIE _{LCh}	90, 8.709, 177.872
Yxy	75.9980, 0.3010, 0.3356
Android (android.graphics.Color)	4291880929 (0xFFD0E7E1)
YUV	223.4390, 0.7696, -13.5400
Hunter-Lab	87.1768, -12.9589, 5.0439

Details

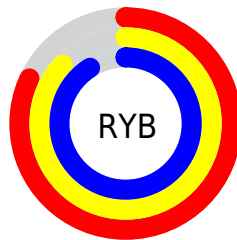
The XYZ color **68.1789, 75.9980, 82.3098** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **67.6512, 66.9576, 72.9803**, and the grayscale version is **70.4539, 74.1230, 80.7200**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **35.9121, 40.4322, 43.9416** is the 20% darker color. If you saturate the color by 10%, you get **61.3437, 72.5698, 77.7732**, and if you desaturate by 10%, it is **75.9934, 79.9319, 87.0470**.

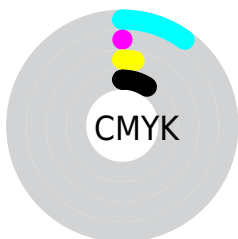
Distribution



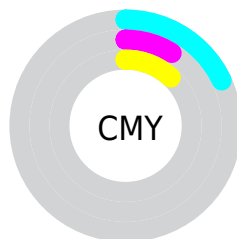
- Red (82%)
- Green (91%)
- Blue (88%)



- Red (82%)
- Yellow (87%)
- Blue (91%)



- Cyan (10%)
- Magenta (0%)
- Yellow (3%)
- Black (9%)



- Cyan (18%)
- Magenta (9%)
- Yellow (12%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 68.1789, 75.9980, 82.3098 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 68.1789, 75.9980, 82.3098 by changing the saturation by 10% instead.

■ 68.1789, 75.9980,
82.3098

■ 68.1789, 75.9980,
82.3098

443.4964,
481.3409, 522.5940

■ 50.3175, 56.4309,
61.0836

115.6485,
127.7241, 138.4489

■ 35.8846, 40.5485,
43.8617

145.9875,
160.6518, 174.1990

■ 24.5148, 27.9664,
30.2254

181.2163,
198.8019, 215.6274

■ 15.8427, 18.3004,
19.7562

221.7004,
242.5587, 263.1527

■ 9.5031, 11.1659,
12.0356

267.8051,
292.3065, 317.1935

■ 5.1305, 6.1785,
6.6451

319.8958,

■ 2.3596, 2.9539,

348.4299, 378.1683

3.1661

378.3378,
411.3133, 446.4956

■ 0.8249, 1.1077,
1.1801

■ 0.0000, 0.0000,
0.0000

■ 68.1789, 75.9980,
82.3098

■ 68.1789, 75.9980,
82.3098

■ 61.3437, 72.5698,
77.7732

■ 75.9934, 79.9319,
87.0470

■ 55.4403, 69.6165,
73.4287

■ 84.8194, 84.3817,
91.9831

■ 50.4269, 67.1188,
69.2744

■ 86.0084, 84.8912,
96.7164

■ 46.2559, 65.0520,
65.3064

■ 86.9346, 85.2616,
101.5936

■ 42.8752, 63.3895,
61.5207

■ 87.8674, 85.6348,
106.5058

■ 40.2266, 62.1013,
57.9130

■ 38.2439, 61.1531,
54.4784

■ 36.8482, 60.5044,
51.2115

■ 35.9047, 60.0858,
48.1044

Harmonies

Analogous

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



68.7874, 75.9980, 76.6078



68.1789, 75.9980, 82.3098



68.6389, 75.9980, 88.4111

Triad

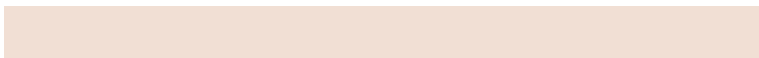
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



68.1789, 75.9980, 82.3098



74.1847, 75.9980, 93.6682



74.4559, 75.9980, 73.1173

Complementary

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



68.1789, 75.9980, 82.3098



67.6512, 66.9576, 72.9803

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.



75.9522, 75.9980, 77.3338



68.1789, 75.9980, 82.3098



75.7934, 75.9980, 89.2097

Square

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



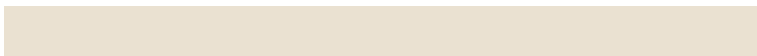
68.1789, 75.9980, 82.3098



72.0803, 75.9980, 95.1597



76.4464, 75.9980, 83.1896



72.3875, 75.9980, 71.4670

Rectangle

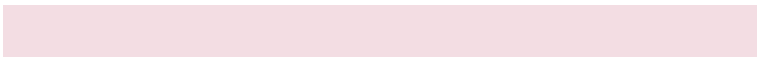
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



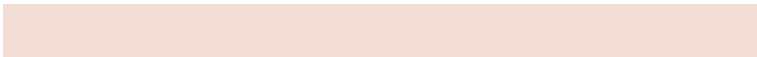
68.1789, 75.9980, 82.3098



69.4947, 75.9980, 91.8486



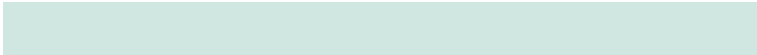
76.4464, 75.9980, 83.1896



75.0440, 75.9980, 74.2710

Sweetspot

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



68.1811, 76.0012, 82.3115



91.9715, 98.4499, 107.0867



67.7340, 76.0255, 70.7799



19.5137, 20.9858, 22.8181



0.0000, 0.0000, 0.0000



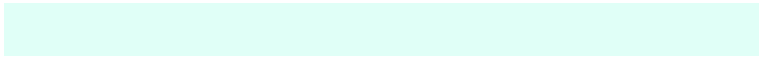
20.3446, 21.4041, 23.3091

Same Dimension

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



68.1811, 76.0012, 82.3115



83.4152, 94.1475, 101.7827



67.5353, 73.3758, 86.2086



14.6384, 16.2688, 17.6265



20.1790, 33.7037, 27.2409



1.5287, 2.5056, 2.2106

Inverse Universe

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



67.6512, 66.9576, 72.9803



82.6237, 80.6347, 87.8412



68.2292, 69.3183, 69.4592



14.5306, 14.4294, 15.7287



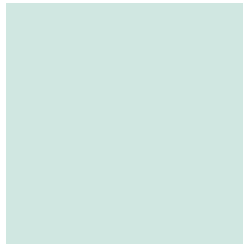
18.9798, 9.7261, 3.5227



1.4399, 0.7337, 0.4571

Previews

White Background



This preview shows how the XYZ color 68.1789, 75.9980, 82.3098 looks on a white background.

Color Contrast Check

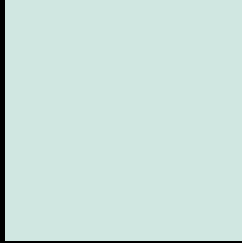
Large Text (above 18pt) WCAG AA × Fail

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 68.1789, 75.9980, 82.3098 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

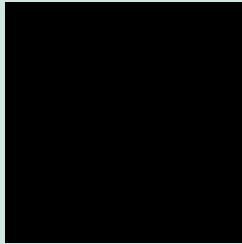
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

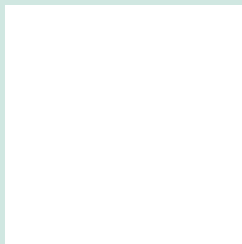
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 68.1789, 75.9980, 82.3098

Background



This preview shows how black text looks on a background with the XYZ color 68.1789, 75.9980, 82.3098.

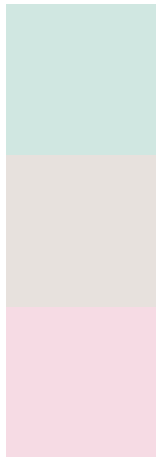


This preview shows how white text looks on a background with the XYZ color 68.1789, 75.9980,

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

68.1789, 75.9980, 82.3098

Protanopia

72.9314, 76.0598, 79.2437

Deuteranopia

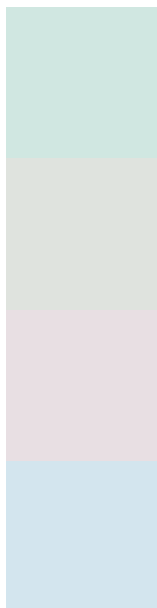
77.3411, 75.8573, 83.9644



Tritanopia

71.5293, 76.1377, 98.1148

Trichromacy



Original Color

68.1789, 75.9980, 82.3098

Protanomaly

71.0853, 75.9001, 80.0108

Deuteranomaly

73.5315, 75.4772, 83.3661

Tritanomaly

70.3159, 76.0606, 91.8640

Monochromacy



Original Color

68.1789, 75.9980, 82.3098

Achromatopsia

70.1384, 73.7910, 80.3584

Achromatomaly

69.5643, 74.6800, 81.2692

CSS Examples

Text

The CSS property to change the color of the text to XYZ 68.1789, 75.9980, 82.3098 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(208, 231, 225) looks like.

```
.text, #text, p{  
    color:rgb(208, 231, 225)  
}
```

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(208, 231, 225) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(208, 231, 225) }
```

Border

The CSS property to change the border of an element to XYZ 68.1789, 75.9980, 82.3098 is called "border". The border property can be set on classes, ids or directly on the HTML element.

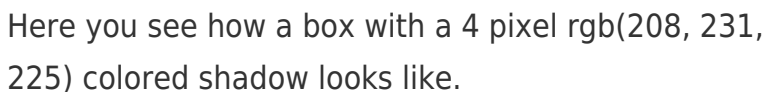
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(208, 231, 225) }
```


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

```
.border{ border-color:rgb(208, 231, 225) }
```

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



Here you see how a box with a 4 pixel `rgb(208, 231, 225)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(208, 231, 225); -webkit-box-shadow:4px 4px 4px 4px rgb(208, 231, 225); box-shadow:4px 4px 4px 4px rgb(208, 231, 225) }
```

Background

The CSS property to change the background color of an element to XYZ 68.1789, 75.9980, 82.3098 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(208, 231, 225) }
```

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

```
.background{ background-color: rgb(208,  
231, 225) }
```

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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