

Converting Colors

XYZ(43.8288, 66.1983, 68.7767)

Have a look what the booklet for
XYZ(43.8288, 66.1983, 68.7767)
contains.

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Color

**XYZ(43.8790, 66.2898,
68.8751)**

Conversions

Conversions Part 1

Format	Color
Hex	45EDCE
RGB	69, 237, 206
RGB Percent	27%, 93%, 81%
CMY	0.7294, 0.0706, 0.1921
CMYK	0.71, 0.00, 0.13, 0.07
HSL	169°, 82%, 60%
HSV	169°, 71%, 93%
XYZ	43.8790, 66.2898, 68.8751
YIQ	183.2340, -90.1770, -45.2570

Conversions

Conversions Part 2

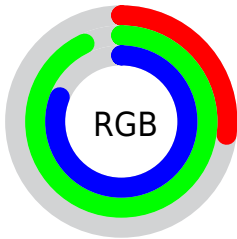
Format	Color
RYB	69, 162, 237
Decimal	4582862
CIELab	85.14, -49.53, 2.70
CIELCh	85, 49.605, 176.878
Yxy	66.2898, 0.2451, 0.3702
Android (android.graphics.Color)	4282772942 (0xFF45EDCE)
YUV	183.2340, 11.2236, -100.1832
Hunter-Lab	81.4185, -46.2832, 6.8373

Details

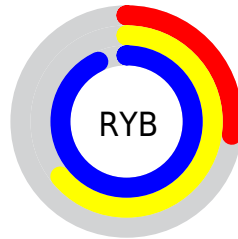
The XYZ color **43.8790, 66.2898, 68.8751** is a light color, and the websafe version is hex **66FFCC**. The color can be described as light muted cyan. A complement of this color would be **39.3556, 23.1827, 14.4595**, and the grayscale version is **45.1160, 47.4656, 51.6900**.

A 20% lighter version of the original color is **64.2912, 84.1433, 107.4605**, and **21.9888, 34.9095, 35.2850** is the 20% darker color. If you saturate the color by 10%, you get **41.9977, 65.3821, 66.0531**, and if you desaturate by 10%, it is **46.4497, 67.5544, 71.8095**.

Distribution



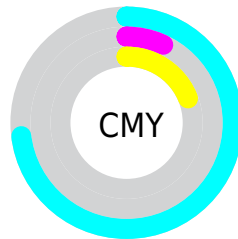
- Red (27%)
- Green (93%)
- Blue (81%)



- Red (27%)
- Yellow (64%)
- Blue (93%)



- Cyan (71%)
- Magenta (0%)
- Yellow (13%)
- Black (7%)





- Cyan (73%)
- Magenta (7%)
- Yellow (19%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 43.8790, 66.2898, 68.8751 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 43.8790, 66.2898, 68.8751 by changing the saturation by 10% instead.


 43.8790, 66.2898,
68.8751


 43.8790, 66.2898,
68.8751


353.0748,
447.4126, 475.2723


 30.7729, 48.5077,
50.1389


 80.2831, 113.9022,
119.2692


 20.5770, 34.2291,
35.1518


 104.3118,
144.5012, 151.7641

 12.9258, 23.0697,
23.4953


 132.7121,
180.1414, 189.6824

 7.4541, 14.6450,
14.7510

 165.8494,
221.2071, 233.4425

 3.7965, 8.5706,
8.5001

204.0889,
268.0826, 283.4630

 1.5877, 4.4622,
4.3243

247.7961,

 0.3844, 1.9353,

321.1525, 340.1625

1.8049

297.3363,
380.8010, 403.9594

■ 0.0000, 0.5695,
0.4312

■ 0.0000, 0.0000,
0.0000

■ 43.8790, 66.2898,
68.8751

■ 43.8790, 66.2898,
68.8751

■ 41.9977, 65.3821,
66.0531

■ 46.4497, 67.5544,
71.8095

■ 40.7148, 64.7796,
63.3342


■ 49.7757, 69.2050,
74.8556


■ 39.9408, 64.4327,
60.9402


■ 53.9212, 71.2764,
78.0184


■ 58.9421, 73.7973,
81.3013

 64.8893, 76.7940,
84.7070

 71.8096, 80.2906,
88.2385

 79.7469, 84.3096,
91.8983

 87.4011, 88.1809,
95.6262

 88.0625, 88.4454,
99.1087

Harmonies

Analogous

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



46.6563, 66.2898, 43.4820



43.8790, 66.2898, 68.8751



45.7040, 66.2898, 103.7585

Triad

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



43.8790, 66.2898, 68.8751



73.2381, 66.2898, 142.2370



75.5042, 66.2898, 31.9064

Complementary

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



43.8790, 66.2898, 68.8751



39.3556, 23.1827, 14.4595

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.



84.2028, 66.2898, 47.7600



43.8790, 66.2898, 68.8751



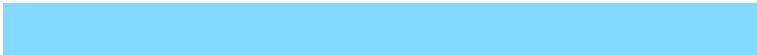
82.7895, 66.2898, 111.3374

Square

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



43.8790, 66.2898, 68.8751



61.8423, 66.2898, 152.8031



87.0135, 66.2898, 75.5855



64.1852, 66.2898, 26.4906

Rectangle

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



43.8790, 66.2898, 68.8751



49.4191, 66.2898, 127.1154



87.0135, 66.2898, 75.5855



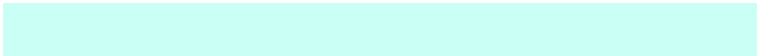
78.8807, 66.2898, 35.9093

Sweetspot

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



43.8809, 66.2924, 68.8767



76.4680, 90.5997, 99.9378



36.9082, 63.8607, 16.0126



15.9278, 19.1704, 21.1492



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.



43.8809, 66.2924, 68.8767



48.8345, 76.8432, 76.5491



35.4280, 42.7534, 86.5086



15.3915, 17.0714, 18.7444



21.8508, 35.1948, 33.5091



1.7467, 2.7760, 2.7940

Inverse Universe

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



39.3556, 23.1827, 14.4595



43.3252, 23.2159, 9.4522



42.6461, 31.7256, 9.5075



15.1790, 15.0995, 16.2279



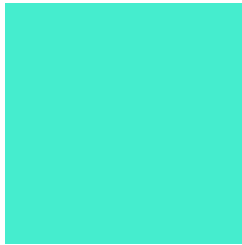
19.3481, 9.9419, 2.3684



1.5514, 0.7935, 0.3552

Previews

White Background



This preview shows how the XYZ color 43.8790, 66.2898, 68.8751 looks on a white background.

Color Contrast Check

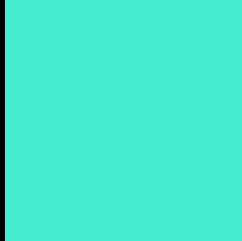
Large Text (above 18pt) WCAG AA × Fail

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 43.8790, 66.2898, 68.8751 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

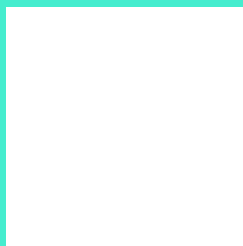
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 43.8790, 66.2898, 68.8751

Background



This preview shows how black text looks on a background with the XYZ color 43.8790, 66.2898, 68.8751.

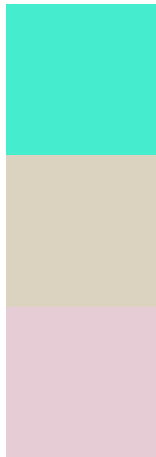


This preview shows how white text looks on a background with the XYZ color 43.8790, 66.2898, 68.8751.

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

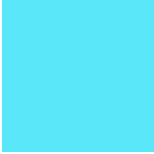
43.8790, 66.2898, 68.8751

Protanopia

61.6640, 64.9148, 58.5700

Deuteranopia

66.2362, 64.8128, 71.9699



Tritanopia

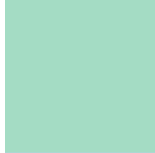
50.1456, 66.2781, 100.5925

Trichromacy



Original Color

43.8790, 66.2898, 68.8751



Protanomaly

50.8668, 63.0644, 61.7162



Deuteranomaly

52.9833, 62.4228, 70.2291



Tritanomaly

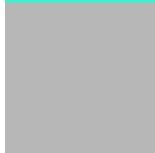
47.5575, 66.0573, 88.0857

Monochromacy



Original Color

43.8790, 66.2898, 68.8751



Achromatopsia

45.0092, 47.3531, 51.5676



Achromatomaly

41.9152, 52.2242, 57.1613

CSS Examples

Text

The CSS property to change the color of the text to XYZ 43.8790, 66.2898, 68.8751 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(69, 237, 206)` looks like.

```
.text, #text, p{  
    color:rgb(69, 237, 206)  
}
```

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(69, 237, 206) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(69, 237, 206) }
```

Border

The CSS property to change the border of an element to XYZ 43.8790, 66.2898, 68.8751 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(69, 237, 206) }
```


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

```
.border{ border-color:rgb(69, 237, 206) }
```

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

Here you see how a box with a 4 pixel `rgb(69, 237, 206)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(69, 237, 206); -webkit-box-  
shadow:4px 4px 4px 4px rgb(69, 237, 206);  
box-shadow:4px 4px 4px 4px rgb(69, 237,  
206) }
```

Background

The CSS property to change the background color of an element to XYZ 43.8790, 66.2898, 68.8751 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(69, 237, 206) }
```

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

```
.background{ background-color: rgb(69, 237,  
206) }
```

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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