

Converting Colors

XYZ(44.9872, 51.0388, 68.1568)

Have a look what the booklet for
XYZ(44.9872, 51.0388, 68.1568)
contains.

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Color

**XYZ(45.0831, 51.2009,
68.4794)**

Conversions

Conversions Part 1

Format	Color
Hex	9CC4D2
RGB	156, 196, 210
RGB Percent	61%, 77%, 82%
CMY	0.3882, 0.2314, 0.1765
CMYK	0.26, 0.07, 0.00, 0.18
HSL	196°, 38%, 72%
HSV	196°, 26%, 82%
XYZ	45.0831, 51.2009, 68.4794
YIQ	185.6360, -28.3340, -4.1260

Conversions

Conversions Part 2

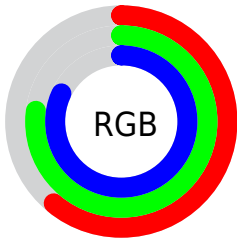
Format	Color
RYB	156, 179, 210
Decimal	10274002
CIELab	76.80, -10.06, -11.35
CIELCh	77, 15.173, 228.445
Yxy	51.2009, 0.2736, 0.3108
Android (android.graphics.Color)	4288464082 (0xFF9CC4D2)
YUV	185.6360, 12.0115, -25.9908
Hunter-Lab	71.5548, -12.7570, -6.6534

Details

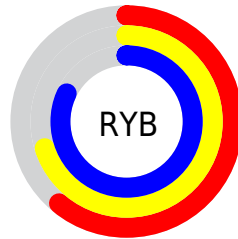
The XYZ color **45.0831, 51.2009, 68.4794** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **46.9545, 44.8518, 37.6362**, and the grayscale version is **46.4161, 48.8334, 53.1796**.

A 20% lighter version of the original color is **80.0392, 91.3194, 108.0156**, and **21.2673, 24.6299, 35.0856** is the 20% darker color. If you saturate the color by 10%, you get **40.1601, 46.8743, 67.9046**, and if you desaturate by 10%, it is **50.7562, 55.9829, 69.1043**.

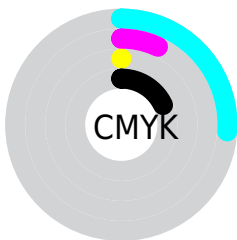
Distribution



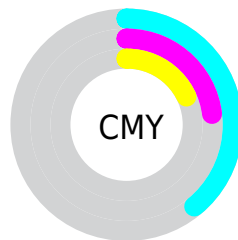
- Red (61%)
- Green (77%)
- Blue (82%)



- Red (61%)
- Yellow (70%)
- Blue (82%)



- Cyan (26%)
- Magenta (7%)
- Yellow (0%)
- Black (18%)



- Cyan (39%)
- Magenta (23%)
- Yellow (18%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 45.0831, 51.2009, 68.4794 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 45.0831, 51.2009, 68.4794 by changing the saturation by 10% instead.

■ 45.0831, 51.2009,
68.4794

■ 45.0831, 51.2009,
68.4794

357.8880,
391.3438, 473.8368

■ 31.7244, 36.3685,
49.8187

■ 82.0814, 91.9517,
118.6984

■ 21.3056, 24.7189,
34.8992

■ 106.4517,
118.6388, 151.0938

■ 13.4613, 15.8678,
23.3023

135.2234,
150.0464, 188.9045

■ 7.8262, 9.4306,
14.6095

168.7616,
186.5587, 232.5491

■ 4.0348, 5.0231,
8.4022

207.4319,
228.5603, 282.4460

■ 1.7218, 2.2608,
4.2619

251.5994,

■ 0.4699, 0.7529,

276.4354, 339.0140

1.7701

301.6297,
330.5684, 402.6714

■ 0.0000, 0.0000,
0.4081

■ 0.0000, 0.0000,
0.0000

■ 45.0831, 51.2009,
68.4794

■ 45.0831, 51.2009,
68.4794

■ 40.1601, 46.8743,
67.9046

■ 50.7562, 55.9829,
69.1043

■ 35.9461, 42.9775,
67.3745

■ 57.2090, 61.2323,
69.7774

■ 32.4027, 39.4910,
66.8884

■ 64.4746, 66.9683,
70.5016

■ 29.4860, 36.3917,
66.4439

■ 72.5833, 73.2070,
71.2784

■ 27.1465, 33.6533,
66.0386

■ 79.3201, 78.8073,
72.0043

■ 25.3265, 31.2452,
65.6697

■ 80.7999, 81.7670,
72.4976

■ 23.9552, 29.1303,
65.3338

■ 82.3270, 84.8212,
73.0066

■ 23.4486, 28.2843,
65.1972

■ 83.9017, 87.9706,
73.5315

■ 85.5244, 91.2160,
74.0725

Harmonies

Analogous

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



43.5983, 51.2009, 60.9190



45.0831, 51.2009, 68.4794



47.5640, 51.2009, 72.7759

Triad

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



45.0831, 51.2009, 68.4794



54.2946, 51.2009, 58.9868



46.9338, 51.2009, 42.0167

Complementary

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



45.0831, 51.2009, 68.4794



46.9545, 44.8518, 37.6362

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.



49.7827, 51.2009, 41.6095



45.0831, 51.2009, 68.4794



54.1096, 51.2009, 50.8802

Square

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



45.0831, 51.2009, 68.4794



52.9277, 51.2009, 66.9453



52.4316, 51.2009, 44.7031



44.6374, 51.2009, 45.8764

Rectangle

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



45.0831, 51.2009, 68.4794



49.4827, 51.2009, 72.9546



52.4316, 51.2009, 44.7031



47.8562, 51.2009, 41.4867

Sweetspot

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



45.0846, 51.2030, 68.4806



86.2752, 93.0065, 108.0126



43.9664, 56.0455, 46.2845



18.1329, 19.6375, 23.0847



0.0000, 0.0000, 0.0000



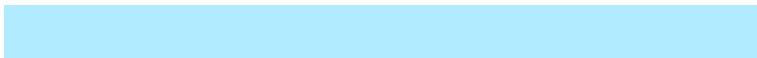
20.3446, 21.4041, 23.3091

Same Dimension

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



45.0846, 51.2030, 68.4806



65.5110, 75.5800, 105.7433



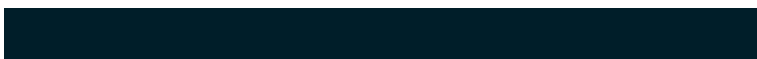
39.6255, 40.2846, 66.6608



11.8882, 12.8667, 15.1006



14.3882, 17.4230, 39.7971



0.8667, 1.0986, 2.2459

Inverse Universe

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



48.4319, 41.4654, 57.6778



71.6800, 58.2609, 85.6931



52.4330, 55.8088, 39.4624



12.1745, 11.9545, 14.1946



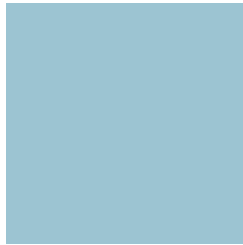
19.8932, 9.8301, 20.1417



1.1437, 0.5622, 1.2916

Previews

White Background



This preview shows how the XYZ color 45.0831, 51.2009, 68.4794 looks on a white background.

Color Contrast Check

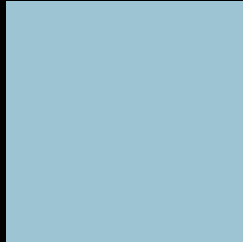
Large Text (above 18pt) WCAG AA × Fail

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 45.0831, 51.2009, 68.4794 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

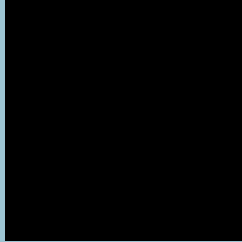
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 45.0831, 51.2009, 68.4794

Background



This preview shows how black text looks on a background with the XYZ color 45.0831, 51.2009, 68.4794.



This preview shows how white text looks on a background with the XYZ color 45.0831, 51.2009,

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

45.0831, 51.2009, 68.4794

Protanopia

49.7417, 51.0656, 64.9926

Deuteranopia

51.7891, 50.7702, 69.3574



Tritanopia

45.2081, 51.2509, 69.1377

Trichromacy



Original Color

45.0831, 51.2009, 68.4794

Protanomaly

47.7978, 50.9967, 66.3556

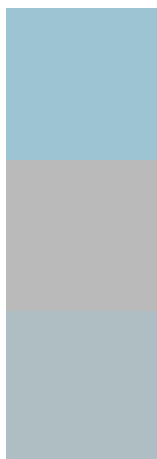
Deuteranomaly

48.7971, 50.4933, 68.8023

Tritanomaly

45.2081, 51.2509, 69.1377

Monochromacy



Original Color

45.0831, 51.2009, 68.4794

Achromatopsia

46.6715, 49.1021, 53.4722

Achromatomaly

45.9430, 49.8810, 58.8363

CSS Examples

Text

The CSS property to change the color of the text to XYZ 45.0831, 51.2009, 68.4794 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(156, 196, 210)` looks like.

```
.text, #text, p{  
    color:rgb(156, 196, 210)  
}
```

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(156, 196, 210) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(156, 196, 210) }
```

Border

The CSS property to change the border of an element to XYZ 45.0831, 51.2009, 68.4794 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(156, 196, 210) }
```


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

```
.border{ border-color:rgb(156, 196, 210) }
```

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

Here you see how a box with a 4 pixel `rgb(156, 196, 210)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(156, 196, 210); -webkit-box-shadow:4px 4px 4px 4px rgb(156, 196, 210); box-shadow:4px 4px 4px 4px rgb(156, 196, 210) }
```

Background

The CSS property to change the background color of an element to XYZ 45.0831, 51.2009, 68.4794 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(156, 196, 210) }
```

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

```
.background{ background-color: rgb(156,  
196, 210) }
```

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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