

Converting Colors

XYZ(45.6430, 51.6833, 59.7964)

Have a look what the booklet for
XYZ(45.6430, 51.6833, 59.7964)
contains.

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Color

**XYZ(45.6401, 51.6809,
59.7945)**

Conversions

Conversions Part 1

Format	Color
Hex	A7C4C4
RGB	167, 196, 196
RGB Percent	65%, 77%, 77%
CMY	0.3451, 0.2314, 0.2314
CMYK	0.15, 0.00, 0.00, 0.23
HSL	180°, 20%, 71%
HSV	180°, 15%, 77%
XYZ	45.6401, 51.6809, 59.7945
YIQ	187.3290, -17.2840, -6.1480

Conversions

Conversions Part 2

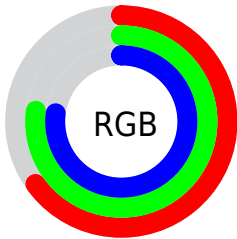
Format	Color
RYB	167, 182, 196
Decimal	10994884
CIELab	77.09, -9.71, -3.28
CIELCh	77, 10.251, 198.671
Yxy	51.6809, 0.2905, 0.3289
Android (android.graphics.Color)	4289184964 (0xFFA7C4C4)
YUV	187.3290, 4.2748, -17.8285
Hunter-Lab	71.8894, -12.4831, 1.0078

Details

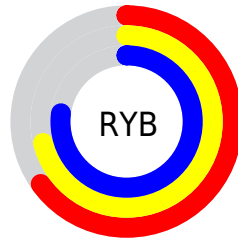
The XYZ color **45.6401, 51.6809, 59.7945** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **43.5606, 42.1646, 42.4042**, and the grayscale version is **47.4046, 49.8734, 54.3121**.

A 20% lighter version of the original color is **82.9791, 92.8720, 106.4811**, and **21.6257, 24.9438, 29.2660** is the 20% darker color. If you saturate the color by 10%, you get **41.8094, 49.7075, 59.6152**, and if you desaturate by 10%, it is **50.1014, 53.9821, 60.0055**.

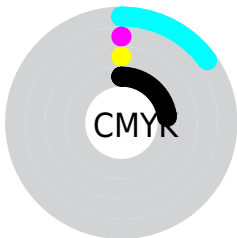
Distribution



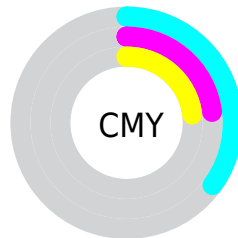
- Red (65%)
- Green (77%)
- Blue (77%)



- Red (65%)
- Yellow (71%)
- Blue (77%)



- Cyan (15%)
- Magenta (0%)
- Yellow (0%)
- Black (23%)



- Cyan (35%)
- Magenta (23%)
- Yellow (23%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 45.6401, 51.6809, 59.7945 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 45.6401, 51.6809, 59.7945 by changing the saturation by 10% instead.

■ 45.6401, 51.6809,
59.7945

■ 45.6401, 51.6809,
59.7945

360.1001,
393.2035, 441.6235

■ 32.1653, 36.7508,
42.8288

■ 82.9113, 92.6605,
106.0720

■ 21.6440, 25.0146,
29.4204

■ 107.4384,
119.4787, 136.2208

■ 13.7107, 16.0879,
19.1508

136.3804,
151.0285, 171.6011

■ 8.0001, 9.5864,
11.6014

170.1025,
187.6941, 212.6314

■ 4.1468, 5.1256,
6.3536

208.9702,
229.8600, 259.7303

■ 1.7855, 2.3211,
2.9890

253.3488,

■ 0.5089, 0.7849,

277.9106, 313.3162

1.0890

303.6036,
332.2303, 373.8078

■ 0.0000, 0.0000,
0.0000

■ 45.6401, 51.6809,
59.7945

■ 45.6401, 51.6809,
59.7945

■ 41.8094, 49.7075,
59.6152

■ 50.1014, 53.9821,
60.0055

■ 38.5766, 48.0410,
59.4628

■ 55.2152, 56.6184,
60.2460

■ 35.9130, 46.6678,
59.3370

■ 61.0078, 59.6046,
60.5182

■ 33.7855, 45.5711,
59.2363

■ 67.5029, 62.9528,
60.8233

■ 32.1580, 44.7321,
59.1590

■ 70.9459, 64.7278,
60.9855

■ 30.9895, 44.1298,
59.1032

■ 70.9461, 64.7279,
60.9867

■ 30.2329, 43.7397,
59.0666

■ 70.9464, 64.7280,
60.9878

■ 29.8308, 43.5325,
59.0467

■ 70.9466, 64.7280,
60.9889

■ 29.7030, 43.4666,
59.0401

■ 70.9468, 64.7281,
60.9901

Harmonies

Analogous

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



45.5214, 51.6809, 54.1801



45.6401, 51.6809, 59.7945



46.6766, 51.6809, 64.7629

Triad

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



45.6401, 51.6809, 59.7945



52.0028, 51.6809, 63.6966



49.8644, 51.6809, 46.3479

Complementary

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



45.6401, 51.6809, 59.7945



43.5606, 42.1646, 42.4042

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.



51.6495, 51.6809, 48.5572



45.6401, 51.6809, 59.7945



52.9058, 51.6809, 58.4165

Square

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



45.6401, 51.6809, 59.7945



50.3363, 51.6809, 67.1169



52.7748, 51.6809, 52.8901



47.9257, 51.6809, 46.6626

Rectangle

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



45.6401, 51.6809, 59.7945



47.7645, 51.6809, 66.9247



52.7748, 51.6809, 52.8901



50.5033, 51.6809, 46.8138

Sweetspot

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



45.6416, 51.6830, 59.7957



91.3963, 98.1165, 108.7282



42.7552, 50.5403, 44.0619



19.4202, 20.9276, 23.2656



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.



45.6416, 51.6830, 59.7957



80.1321, 92.3096, 108.1981



42.6262, 45.6517, 58.7921



10.3685, 11.4285, 12.9440



19.0846, 27.9279, 37.9342



0.8246, 1.2067, 1.6391

Inverse Universe

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



43.5606, 42.1646, 42.4042



75.5866, 71.5186, 70.2101



46.2691, 47.5822, 43.3057



10.0733, 10.0779, 10.4764



14.6276, 7.5408, 0.6850



0.6320, 0.3258, 0.0297

Previews

White Background



This preview shows how the XYZ color 45.6401, 51.6809, 59.7945 looks on a white background.

Color Contrast Check

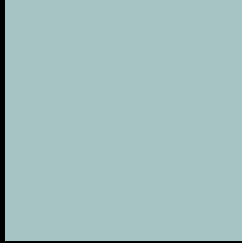
Large Text (above 18pt) WCAG AA × Fail

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 45.6401, 51.6809, 59.7945 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

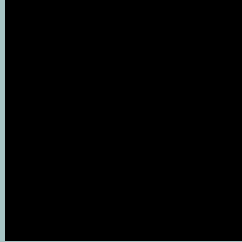
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 45.6401, 51.6809, 59.7945

Background



This preview shows how black text looks on a background with the XYZ color 45.6401, 51.6809, 59.7945.

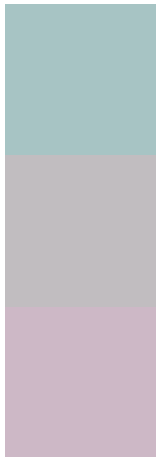


This preview shows how white text looks on a background with the XYZ color 45.6401, 51.6809,

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

45.6401, 51.6809, 59.7945

Protanopia

49.7043, 51.5384, 57.1974

Deuteranopia

52.5104, 51.3373, 60.5676



Tritanopia

47.1626, 51.6220, 67.7999

Trichromacy



Original Color

45.6401, 51.6809, 59.7945

Protanomaly

48.2424, 51.7399, 57.8962

Deuteranomaly

49.5471, 51.0740, 60.0702

Tritanomaly

46.5626, 51.7147, 64.6546

Monochromacy



Original Color

45.6401, 51.6809, 59.7945

Achromatopsia

47.2335, 49.6933, 54.1160

Achromatomaly

46.5301, 50.2479, 55.9616

CSS Examples

Text

The CSS property to change the color of the text to XYZ 45.6401, 51.6809, 59.7945 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(167, 196, 196)` looks like.

```
.text, #text, p{  
    color:rgb(167, 196, 196)  
}
```

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(167, 196, 196) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(167, 196, 196) }
```

Border

The CSS property to change the border of an element to XYZ 45.6401, 51.6809, 59.7945 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(167, 196, 196) }
```


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

```
.border{ border-color:rgb(167, 196, 196) }
```

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

Here you see how a box with a 4 pixel `rgb(167, 196, 196)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(167, 196, 196); -webkit-box-  
shadow:4px 4px 4px 4px rgb(167, 196, 196);  
box-shadow:4px 4px 4px 4px rgb(167, 196,  
196) }
```

Background

The CSS property to change the background color of an element to XYZ 45.6401, 51.6809, 59.7945 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(167, 196, 196) }
```

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

```
.background{ background-color: rgb(167,  
196, 196) }
```

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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