

Converting Colors

XYZ(45.4684, 50.7772, 64.8716)

Have a look what the booklet for
XYZ(45.4684, 50.7772, 64.8716)
contains.

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Color

**XYZ(45.6211, 50.8839,
65.1747)**

Conversions

Conversions Part 1

Format	Color
Hex	A4C2CD
RGB	164, 194, 205
RGB Percent	64%, 76%, 80%
CMY	0.3569, 0.2392, 0.1961
CMYK	0.20, 0.05, 0.00, 0.20
HSL	196°, 29%, 72%
HSV	196°, 20%, 80%
XYZ	45.6211, 50.8839, 65.1747
YIQ	186.2840, -21.4110, -2.9390

Conversions

Conversions Part 2

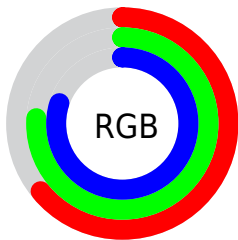
Format	Color
RYB	164, 181, 205
Decimal	10797773
CIELab	76.61, -7.69, -8.88
CIELCh	77, 11.751, 229.108
Yxy	50.8839, 0.2822, 0.3147
Android (android.graphics.Color)	4288987853 (0xFFA4C2CD)
YUV	186.2840, 9.2270, -19.5431
Hunter-Lab	71.3330, -10.6727, -4.2384

Details

The XYZ color **45.6211, 50.8839, 65.1747** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **47.2081, 46.3195, 41.5754**, and the grayscale version is **46.7910, 49.2278, 53.6091**.

A 20% lighter version of the original color is **81.4490, 90.6513, 107.8124**, and **21.6461, 24.4353, 32.8538** is the 20% darker color. If you saturate the color by 10%, you get **40.5258, 46.4751, 64.5931**, and if you desaturate by 10%, it is **51.4467, 55.7390, 65.8056**.

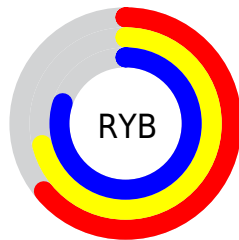
Distribution



Red (64%)

Green (76%)

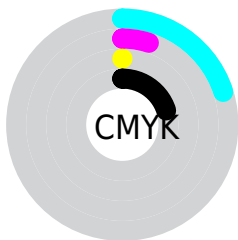
Blue (80%)



Red (64%)

Yellow (71%)

Blue (80%)

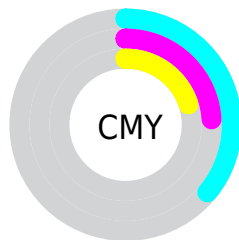


Cyan (20%)

Magenta (5%)

Yellow (0%)

Black (20%)



Cyan (36%)

Magenta (24%)

Yellow (20%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 45.6211, 50.8839, 65.1747 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 45.6211, 50.8839, 65.1747 by changing the saturation by 10% instead.

■ 45.6211, 50.8839,
65.1747

■ 45.6211, 50.8839,
65.1747

360.0248,
390.1125, 461.7429

■ 32.1503, 36.1162,
47.1505

■ 82.8830, 91.4831,
113.9167

■ 21.6324, 24.5240,
32.7995

■ 107.4048,
118.0835, 145.4715

■ 13.7021, 15.7228,
21.7030

136.3410,
149.3968, 182.3737

■ 7.9941, 9.3282,
13.4426

170.0568,
185.8076, 225.0417

■ 4.1430, 4.9559,
7.5997

208.9178,
227.7001, 273.8941

■ 1.7833, 2.2214,
3.7558

253.2892,

■ 0.5076, 0.7316,

275.4589, 329.3494

1.4924

303.5364,
329.4682, 391.8261

■ 0.0000, 0.0000,
0.2122

■ 0.0000, 0.0000,
0.0000

■ 45.6211, 50.8839,
65.1747

■ 45.6211, 50.8839,
65.1747

■ 40.5258, 46.4751,
64.5931

■ 51.4467, 55.7390,
65.8056

■ 36.1231, 42.4886,
64.0557

■ 58.0289, 61.0508,
66.4840

■ 32.3788, 38.9073,
63.5618

■ 65.3982, 66.8370,
67.2124

■ 29.2537, 35.7102,
63.1094

■ 73.5823, 73.1125,
67.9924

■ 26.7042, 32.8742,
62.6963

■ 78.2477, 77.6441,
68.6212

■ 24.6810, 30.3730,
62.3202

■ 79.7278, 80.6042,
69.1145

■ 23.1252, 28.1756,
61.9780

■ 81.2559, 83.6605,
69.6239

■ 21.9282, 26.2250,
61.6646

■ 82.8325, 86.8136,
70.1494

■ 21.9281, 26.2248,
61.6646

■ 84.4580, 90.0646,
70.6912

Harmonies

Analogous

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



44.4390, 50.8839, 59.5053



45.6211, 50.8839, 65.1747



47.5610, 50.8839, 68.3047

Triad

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



45.6211, 50.8839, 65.1747



52.6802, 50.8839, 57.7477



46.9789, 50.8839, 44.6308

Complementary

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



45.6211, 50.8839, 65.1747



47.2081, 46.3195, 41.5754

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.



49.1752, 50.8839, 44.2393



45.6211, 50.8839, 65.1747



52.5127, 50.8839, 51.4955

Square

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



45.6211, 50.8839, 65.1747



51.6647, 50.8839, 63.8036



51.2139, 50.8839, 46.6620



45.2062, 50.8839, 47.7758

Rectangle

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



45.6211, 50.8839, 65.1747



49.0428, 50.8839, 68.3808



51.2139, 50.8839, 46.6620



47.6907, 50.8839, 44.1823

Sweetspot

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



45.6226, 50.8860, 65.1758



88.3481, 94.6222, 108.2152



44.8735, 54.6486, 48.7073



18.7600, 20.1314, 23.1469



0.0000, 0.0000, 0.0000



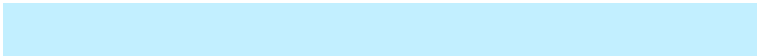
20.3446, 21.4041, 23.3091

Same Dimension

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



45.6226, 50.8860, 65.1758



70.9917, 80.1527, 106.3371



41.3828, 42.4063, 63.7626



11.2788, 12.1981, 14.3304



13.7328, 16.4895, 38.4153



0.7689, 0.9716, 2.0020

Inverse Universe

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



48.1911, 43.4263, 56.8835



76.0059, 65.9621, 90.0657



51.4909, 54.8851, 43.0031



11.5541, 11.3504, 13.4525



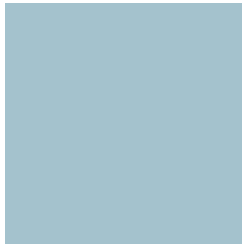
19.1426, 9.4676, 19.0012



1.0181, 0.5006, 1.1410

Previews

White Background



This preview shows how the XYZ color 45.6211, 50.8839, 65.1747 looks on a white background.

Color Contrast Check

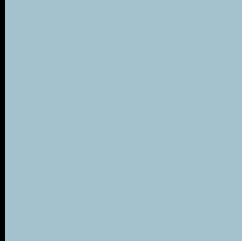
Large Text (above 18pt) WCAG AA × Fail

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 45.6211, 50.8839, 65.1747 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

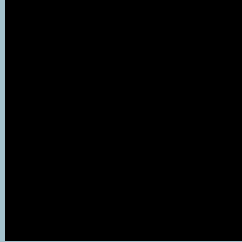
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

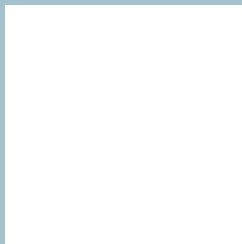
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 45.6211, 50.8839, 65.1747

Background



This preview shows how black text looks on a background with the XYZ color 45.6211, 50.8839, 65.1747.

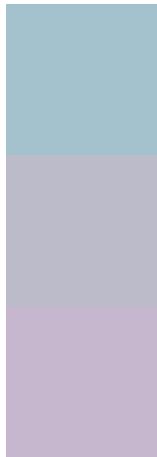


This preview shows how white text looks on a background with the XYZ color 45.6211, 50.8839,

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

45.6211, 50.8839, 65.1747

Protanopia

49.0520, 50.4491, 62.4107

Deuteranopia

51.4847, 50.3777, 66.0418



Tritanopia

46.0956, 50.7427, 67.6864

Trichromacy



Original Color

45.6211, 50.8839, 65.1747

Protanomaly

47.6645, 50.6749, 63.1462

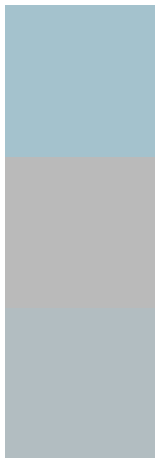
Deuteranomaly

49.1606, 50.4360, 65.5366

Tritanomaly

45.9722, 50.6933, 67.0363

Monochromacy



Original Color

45.6211, 50.8839, 65.1747

Achromatopsia

46.6715, 49.1021, 53.4722

Achromatomaly

46.1833, 49.7104, 57.6130

CSS Examples

Text

The CSS property to change the color of the text to XYZ 45.6211, 50.8839, 65.1747 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(164, 194, 205)` looks like.

```
.text, #text, p{  
    color:rgb(164, 194, 205)  
}
```

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(164, 194, 205) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(164, 194, 205) }
```

Border

The CSS property to change the border of an element to XYZ 45.6211, 50.8839, 65.1747 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(164, 194, 205) }
```


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

```
.border{ border-color:rgb(164, 194, 205) }
```

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

Here you see how a box with a 4 pixel `rgb(164, 194, 205)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(164, 194, 205); -webkit-box-shadow:4px 4px 4px 4px rgb(164, 194, 205); box-shadow:4px 4px 4px 4px rgb(164, 194, 205) }
```

Background

The CSS property to change the background color of an element to XYZ 45.6211, 50.8839, 65.1747 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(164, 194, 205) }
```

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

```
.background{ background-color: rgb(164,  
194, 205) }
```

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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