

Converting Colors

XYZ(45.3088, 49.8872, 63.6804)

Have a look what the booklet for
XYZ(45.3088, 49.8872, 63.6804)
contains.

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Color

**XYZ(45.3466, 49.7889,
63.7201)**

Conversions

Conversions Part 1

Format	Color
Hex	A7BFCB
RGB	167, 191, 203
RGB Percent	65%, 75%, 80%
CMY	0.3451, 0.2510, 0.2039
CMYK	0.18, 0.06, 0.00, 0.20
HSL	200°, 26%, 73%
HSV	200°, 18%, 80%
XYZ	45.3466, 49.7889, 63.7201
YIQ	185.1920, -18.1560, -1.3560

Conversions

Conversions Part 2

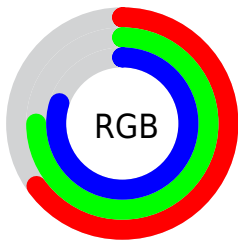
Format	Color
R_{YB}	167, 181, 203
Decimal	10993611
CIE Lab	75.94, -5.60, -8.77
CIE LCh	76, 10.405, 237.472
Yxy	49.7889, 0.2855, 0.3134
Android (android.graphics.Color)	4289183691 (0xFFA7BFCB)
YUV	185.1920, 8.7793, -15.9544
Hunter-Lab	70.5612, -8.7681, -4.1488

Details

The XYZ color **45.3466, 49.7889, 63.7201** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **47.7240, 47.7265, 43.2569**, and the grayscale version is **46.1820, 48.5871, 52.9113**.

A 20% lighter version of the original color is **81.4350, 89.2711, 107.5467**, and **21.5835, 23.9917, 31.9271** is the 20% darker color. If you saturate the color by 10%, you get **39.9490, 44.8677, 63.0555**, and if you desaturate by 10%, it is **51.4885, 55.1976, 64.4412**.

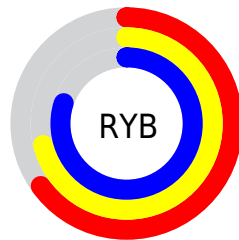
Distribution



Red (65%)

Green (75%)

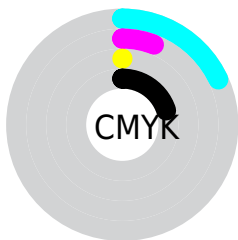
Blue (80%)



Red (65%)

Yellow (71%)

Blue (80%)

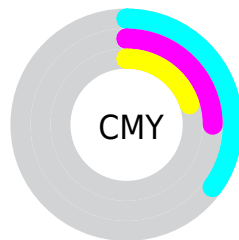


Cyan (18%)

Magenta (6%)

Yellow (0%)

Black (20%)



Cyan (35%)

Magenta (25%)

Yellow (20%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 45.3466, 49.7889, 63.7201 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 45.3466, 49.7889, 63.7201 by changing the saturation by 10% instead.

■ 45.3466, 49.7889,
63.7201

■ 45.3466, 49.7889,
63.7201

358.9356,
385.8398, 456.3579

■ 31.9330, 35.2457,
45.9793

■ 82.4741, 89.8620,
111.8033

■ 21.4656, 23.8522,
31.8809

■ 106.9188,
116.1607, 142.9828

■ 13.5792, 15.2240,
21.0065

135.7711,
147.1467, 179.4789

■ 7.9083, 8.9768,
12.9375

169.3964,
183.2044, 221.7102

■ 4.0876, 4.7260,
7.2553

208.1602,
224.7182, 270.0952

■ 1.7518, 2.0874,
3.5414

252.4278,

■ 0.4884, 0.6575,

272.0724, 325.0524

1.3773

302.5645,
325.6515, 387.0005

■ 0.0000, 0.0000,
0.1239

■ 0.0000, 0.0000,
0.0000

■ 45.3466, 49.7889,
63.7201

■ 45.3466, 49.7889,
63.7201

■ 39.9490, 44.8677,
63.0555

■ 51.4885, 55.1976,
64.4412

■ 35.2590, 40.4098,
62.4422

■ 58.4004, 61.1044,
65.2170

■ 31.2435, 36.3981,
61.8795

■ 66.1123, 67.5274,
66.0503

■ 27.8645, 32.8115,
61.3654

■ 74.6510, 74.4818,
66.9426

■ 25.0801, 29.6271,
60.8975

■ 78.8989, 79.3304,
67.6546

■ 22.8431, 26.8191,
60.4733

■ 80.7624, 83.0575,
68.2758

■ 21.0981, 24.3573,
60.0901

■ 82.6992, 86.9310,
68.9214

■ 19.7662, 22.1995,
59.7439

■ 84.7101, 90.9527,
69.5916

■ 19.4925, 21.7375,
59.6691

■ 86.7958, 95.1241,
70.2869

Harmonies

Analogous

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



44.0920, 49.7889, 59.2872



45.3466, 49.7889, 63.7201



47.1586, 49.7889, 65.5918

Triad

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



45.3466, 49.7889, 63.7201



51.1455, 49.7889, 54.6839



45.6240, 49.7889, 45.2806

Complementary

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



45.3466, 49.7889, 63.7201



47.7240, 47.7265, 43.2569

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.



47.4875, 49.7889, 44.2304



45.3466, 49.7889, 63.7201



50.7078, 49.7889, 49.4344

Square

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



45.3466, 49.7889, 63.7201



50.5359, 49.7889, 60.1572



49.3557, 49.7889, 45.6995



44.2490, 49.7889, 48.6714

Rectangle

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



45.3466, 49.7889, 63.7201



48.4509, 49.7889, 65.0459



49.3557, 49.7889, 45.6995



46.2125, 49.7889, 44.6527

Sweetspot

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



45.3481, 49.7909, 63.7212



89.1733, 94.9804, 108.2409



45.3692, 54.1587, 50.3937



18.9157, 20.1824, 23.1486



0.0000, 0.0000, 0.0000



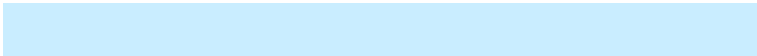
20.3446, 21.4041, 23.3091

Same Dimension

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



45.3481, 49.7909, 63.7212



72.5874, 80.3576, 106.2925



41.7756, 42.6460, 62.5304



11.2161, 12.0726, 14.3095



12.4914, 14.0068, 38.0015



0.7124, 0.8585, 1.9831

Inverse Universe

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



47.8524, 44.0965, 55.2820



77.5403, 69.3668, 89.5411



51.4347, 55.1479, 44.4938



11.5224, 11.3377, 13.2857



18.5160, 9.2170, 15.7017



0.9895, 0.4892, 0.9907

Previews

White Background



This preview shows how the XYZ color 45.3466, 49.7889, 63.7201 looks on a white background.

Color Contrast Check

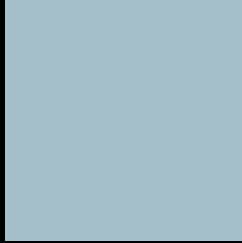
Large Text (above 18pt) WCAG AA × Fail

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 45.3466, 49.7889, 63.7201 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

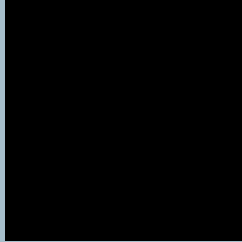
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

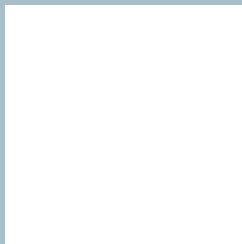
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 45.3466, 49.7889, 63.7201

Background



This preview shows how black text looks on a background with the XYZ color 45.3466, 49.7889, 63.7201.



This preview shows how white text looks on a background with the XYZ color 45.3466, 49.7889,

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

45.3466, 49.7889, 63.7201

Protanopia

48.2339, 49.7270, 61.6997

Deuteranopia

50.7734, 49.7340, 64.6812



Tritanopia

45.9198, 50.0427, 65.6315

Trichromacy



Original Color

45.3466, 49.7889, 63.7201

Protanomaly

47.1162, 49.7672, 62.3811

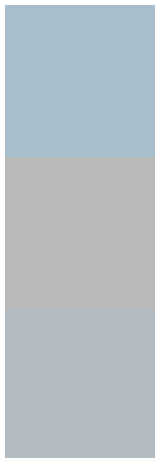
Deuteranomaly

48.4977, 49.4967, 64.1244

Tritanomaly

45.7987, 49.9942, 64.9936

Monochromacy



Original Color

45.3466, 49.7889, 63.7201

Achromatopsia

46.1135, 48.5150, 52.8328

Achromatomaly

45.6448, 48.8114, 56.8850

CSS Examples

Text

The CSS property to change the color of the text to XYZ 45.3466, 49.7889, 63.7201 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, 191, 203)` looks like.

```
.text, #text, p{  
    color:rgb(167, 191, 203)  
}
```

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, 191, 203) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(167, 191, 203) }
```

Border

The CSS property to change the border of an element to XYZ 45.3466, 49.7889, 63.7201 is called "border". The border property can be set on classes, ids or directly on the HTML element.

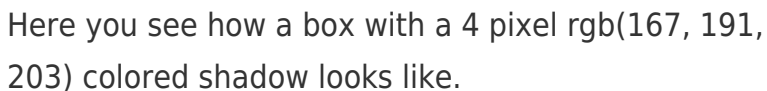
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(167, 191, 203) }
```


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

```
.border{ border-color:rgb(167, 191, 203) }
```

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



Here you see how a box with a 4 pixel `rgb(167, 191, 203)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(167, 191, 203); -webkit-box-shadow:4px 4px 4px 4px rgb(167, 191, 203); box-shadow:4px 4px 4px 4px rgb(167, 191, 203) }
```

Background

The CSS property to change the background color of an element to XYZ 45.3466, 49.7889, 63.7201 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(167, 191, 203) }
```

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

```
.background{ background-color: rgb(167,  
191, 203) }
```

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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