

Converting Colors

XYZ(45.7115, 55.3713, 65.0515)

Have a look what the booklet for
XYZ(45.7115, 55.3713, 65.0515)
contains.

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Color

**XYZ(45.6700, 55.4215,
64.7903)**

Conversions

Conversions Part 1

Format	Color
Hex	96CFCB
RGB	150, 207, 203
RGB Percent	59%, 81%, 80%
CMY	0.4118, 0.1882, 0.2039
CMYK	0.28, 0.00, 0.02, 0.19
HSL	176°, 37%, 70%
HSV	176°, 28%, 81%
XYZ	45.6700, 55.4215, 64.7903
YIQ	189.5010, -32.6880, -13.3280

Conversions

Conversions Part 2

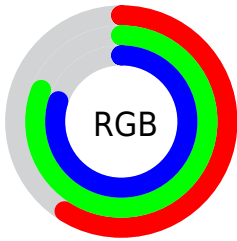
Format	Color
R_{YB}	150, 180, 207
Decimal	9883595
CIE _{Lab}	79.28, -19.08, -3.94
CIE _{LCh}	79, 19.484, 191.664
Yxy	55.4215, 0.2753, 0.3341
Android (android.graphics.Color)	4288073675 (0xFF96CFCB)
YUV	189.5010, 6.6550, -34.6424
Hunter-Lab	74.4456, -20.7758, 0.5116

Details

The XYZ color **45.6700, 55.4215, 64.7903** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **42.4731, 37.4127, 35.5568**, and the grayscale version is **48.6345, 51.1673, 55.7212**.

A 20% lighter version of the original color is **79.2636, 91.8618, 108.1612**, and **21.7458, 27.4938, 32.5945** is the 20% darker color. If you saturate the color by 10%, you get **42.0202, 53.5613, 63.7206**, and if you desaturate by 10%, it is **49.9975, 57.6337, 65.9026**.

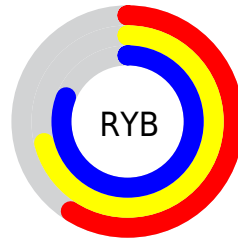
Distribution



Red (59%)

Green (81%)

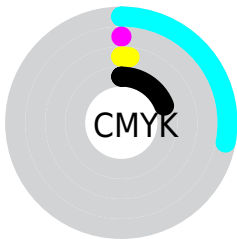
Blue (80%)



Red (59%)

Yellow (71%)

Blue (81%)

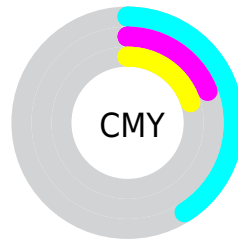


Cyan (28%)

Magenta (0%)

Yellow (2%)

Black (19%)



Cyan (41%)

Magenta (19%)

Yellow (20%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 45.6700, 55.4215, 64.7903 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 45.6700, 55.4215, 64.7903 by changing the saturation by 10% instead.

■ 45.6700, 55.4215,
64.7903

■ 45.6700, 55.4215,
64.7903

360.2186,
407.5077, 460.3236

■ 32.1890, 39.7393,
46.8408

■ 82.9558, 98.1582,
113.3587

■ 21.6622, 27.3353,
32.5564

■ 107.4913,
125.9816, 144.8147

■ 13.7241, 17.8252,
21.5185

136.4424,
158.6207, 181.6099

■ 8.0094, 10.8246,
13.3086

170.1744,
196.4601, 224.1629

■ 4.1528, 5.9490,
7.5082

209.0526,
239.8841, 272.8923

■ 1.7890, 2.8141,
3.6987

253.4425,

■ 0.5110, 1.0355,

289.2771, 328.2164

1.4615

303.7094,
345.0235, 390.5540

■ 0.0000, 0.0000,
0.1890

■ 0.0000, 0.0000,
0.0000

■ 45.6700, 55.4215,
64.7903

■ 45.6700, 55.4215,
64.7903

■ 42.0202, 53.5613,
63.7206

■ 49.9975, 57.6337,
65.9026

■ 39.0080, 52.0282,
62.6880

■ 55.0307, 60.2081,
67.0552

■ 36.5961, 50.8044,
61.6919

■ 60.8019, 63.1628,
68.2509

■ 34.7419, 49.8678,
60.7303

■ 67.3400, 66.5126,
69.4910

■ 33.3967, 49.1936,
59.8010

■ 74.6722, 70.2716,
70.7769

■ 32.5038, 48.7522,
58.9011

■ 75.4025, 70.6271,
71.7624

■ 31.9840, 48.5030,
58.0271

■ 75.5864, 70.7007,
72.7309

■ 31.8803, 48.4542,
57.8142

■ 75.7720, 70.7749,
73.7082

■ 75.9593, 70.8498,
74.6942

Harmonies

Analogous

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



45.8757, 55.4215, 53.8388



45.6700, 55.4215, 64.7903



47.2718, 55.4215, 75.7727

Triad

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



45.6700, 55.4215, 64.7903



57.8191, 55.4215, 77.8481



55.0704, 55.4215, 42.1719

Complementary

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



45.6700, 55.4215, 64.7903



42.4731, 37.4127, 35.5568

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.



58.4781, 55.4215, 47.1672



45.6700, 55.4215, 64.7903



60.1182, 55.4215, 67.3545

Square

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



45.6700, 55.4215, 64.7903



54.2067, 55.4215, 83.9095



60.3652, 55.4215, 56.1070



51.1753, 55.4215, 41.6646

Rectangle

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



45.6700, 55.4215, 64.7903



49.1975, 55.4215, 81.2846



60.3652, 55.4215, 56.1070



56.3157, 55.4215, 43.3503

Sweetspot

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



45.6716, 55.4237, 64.7916



87.7092, 96.2422, 107.3571



41.2892, 53.7738, 37.0584



18.4966, 20.4582, 22.9178



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.



45.6716, 55.4237, 64.7916



69.6350, 87.0063, 102.8208



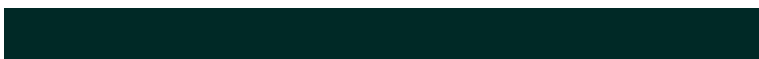
40.8269, 44.9611, 65.5606



12.1210, 13.3922, 14.9938



20.0998, 30.5328, 36.5011



1.1348, 1.7116, 2.0988

Inverse Universe

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



42.4731, 37.4127, 35.5568



63.6864, 53.4939, 48.4378



46.3269, 45.6449, 35.2238



11.8419, 11.8215, 12.4434



16.2776, 8.3839, 1.1023



0.9222, 0.4736, 0.1251

Previews

White Background



This preview shows how the XYZ color 45.6700, 55.4215, 64.7903 looks on a white background.

Color Contrast Check

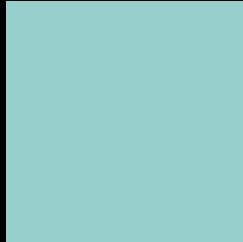
Large Text (above 18pt) WCAG AA × Fail

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 45.6700, 55.4215, 64.7903 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 45.6700, 55.4215, 64.7903

Background



This preview shows how black text looks on a background with the XYZ color 45.6700, 55.4215, 64.7903.

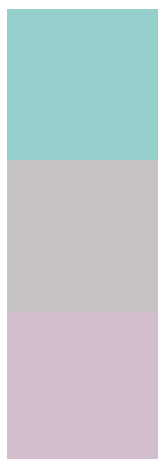


This preview shows how white text looks on a background with the XYZ color 45.6700, 55.4215,

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

45.6700, 55.4215, 64.7903

Protanopia

53.0321, 55.1578, 60.0760

Deuteranopia

56.2543, 55.0335, 66.6891



Tritanopia

47.9704, 55.2762, 76.5477

Trichromacy



Original Color

45.6700, 55.4215, 64.7903

Protanomaly

49.7883, 54.7941, 61.9850

Deuteranomaly

51.6195, 54.6275, 66.2160

Tritanomaly

47.1058, 55.2900, 71.8076

Monochromacy



Original Color

45.6700, 55.4215, 64.7903

Achromatopsia

48.9429, 51.4918, 56.0745

Achromatomaly

47.2695, 52.5339, 59.2785

CSS Examples

Text

The CSS property to change the color of the text to XYZ 45.6700, 55.4215, 64.7903 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(150, 207, 203)` looks like.

```
.text, #text, p{  
    color:rgb(150, 207, 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(150, 207, 203) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(150, 207, 203) }
```

Border

The CSS property to change the border of an element to XYZ 45.6700, 55.4215, 64.7903 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(150, 207, 203) }
```


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

```
.border{ border-color:rgb(150, 207, 203) }
```

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

Here you see how a box with a 4 pixel `rgb(150, 207, 203)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(150, 207, 203); -webkit-box-  
shadow:4px 4px 4px 4px rgb(150, 207, 203);  
box-shadow:4px 4px 4px 4px rgb(150, 207,  
203) }
```

Background

The CSS property to change the background color of an element to XYZ 45.6700, 55.4215, 64.7903 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(150, 207, 203) }
```

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

```
.background{ background-color: rgb(150,  
207, 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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