

Converting Colors

XYZ(48.7671, 55.1266, 63.8951)

Have a look what the booklet for
XYZ(48.7671, 55.1266, 63.8951)
contains.

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Color

**XYZ(48.7945, 55.2760,
63.9747)**

Conversions

Conversions Part 1

Format	Color
Hex	ACCACA
RGB	172, 202, 202
RGB Percent	67%, 79%, 79%
CMY	0.3255, 0.2078, 0.2078
CMYK	0.15, 0.00, 0.00, 0.21
HSL	180°, 22%, 73%
HSV	180°, 15%, 79%
XYZ	48.7945, 55.2760, 63.9747
YIQ	193.0300, -17.8800, -6.3600

Conversions

Conversions Part 2

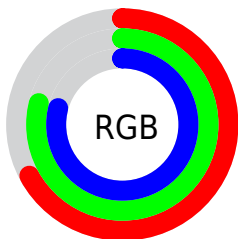
Format	Color
R _Y B	172, 187, 202
Decimal	11324106
CIE Lab	79.20, -9.99, -3.37
CIE LCh	79, 10.542, 198.667
Yxy	55.2760, 0.2904, 0.3289
Android (android.graphics.Color)	4289514186 (0xFFACCACA)
YUV	193.0300, 4.4222, -18.4433
Hunter-Lab	74.3478, -12.9591, 1.0257

Details

The XYZ color **48.7945, 55.2760, 63.9747** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **46.5581, 45.0418, 45.2723**, and the grayscale version is **50.6899, 53.3297, 58.0760**.

A 20% lighter version of the original color is **85.8049, 95.2340, 108.4673**, and **23.5429, 27.2399, 32.0339** is the 20% darker color. If you saturate the color by 10%, you get **44.6939, 53.1636, 63.7828**, and if you desaturate by 10%, it is **53.5722, 57.7404, 64.2006**.

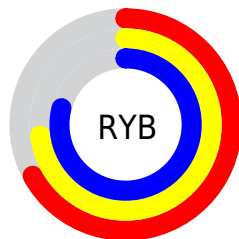
Distribution



Red (67%)

Green (79%)

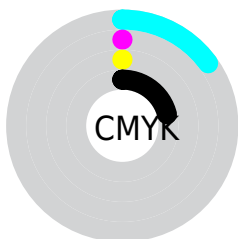
Blue (79%)



Red (67%)

Yellow (73%)

Blue (79%)

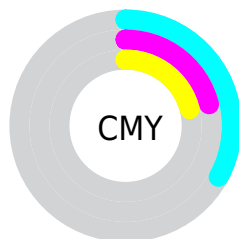


Cyan (15%)

Magenta (0%)

Yellow (0%)

Black (21%)



Cyan (33%)

Magenta (21%)

Yellow (21%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 48.7945, 55.2760, 63.9747 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 48.7945, 55.2760, 63.9747 by changing the saturation by 10% instead.

■ 48.7945, 55.2760,
63.9747

■ 48.7945, 55.2760,
63.9747

372.4631,
406.9573, 457.3032

■ 34.6704, 39.6227,
46.1841

■ 87.5887, 97.9452,
112.1736

■ 23.5744, 27.2445,
32.0414

112.9895,
125.7300, 143.4190

■ 15.1412, 17.7570,
21.1281

142.8799,
158.3273, 179.9865

■ 9.0055, 10.7756,
13.0255

177.6252,
196.1217, 222.2945

■ 4.8019, 5.9162,
7.3152

217.5909,
239.4975, 270.7617

■ 2.1651, 2.7942,
3.5786

263.1422,

■ 0.7242, 1.0252,

288.8391, 325.8065

1.3971

314.6445,
344.5309, 387.8475

■ 0.0000, 0.0000,
0.1395

■ 0.0000, 0.0000,
0.0000

■ 48.7945, 55.2760,
63.9747

■ 48.7945, 55.2760,
63.9747

■ 44.6939, 53.1636,
63.7828

■ 53.5722, 57.7404,
64.2006

■ 41.2354, 51.3807,
63.6197

■ 59.0505, 60.5646,
64.4582

■ 38.3878, 49.9127,
63.4853

■ 65.2580, 63.7646,
64.7499

■ 36.1156, 48.7414,
63.3778

■ 72.2199, 67.3536,
65.0769

■ 34.3798, 47.8465,
63.2953

■ 73.0235, 67.7678,
65.1157

■ 33.1362, 47.2055,
63.2359

■ 73.0237, 67.7679,
65.1169

■ 32.3338, 46.7919,
63.1972

■ 73.0240, 67.7680,
65.1181

■ 31.9107, 46.5738,
63.1762

■ 73.0242, 67.7681,
65.1193

■ 31.7804, 46.5066,
63.1695

■ 73.0244, 67.7682,
65.1205

Harmonies

Analogous

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



48.6670, 55.2760, 57.9358



48.7945, 55.2760, 63.9747



49.9090, 55.2760, 69.3207

Triad

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



48.7945, 55.2760, 63.9747



55.6377, 55.2760, 68.1747



53.3380, 55.2760, 49.5165

Complementary

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



48.7945, 55.2760, 63.9747



46.5581, 45.0418, 45.2723

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.



55.2581, 55.2760, 51.8915



48.7945, 55.2760, 63.9747



56.6094, 55.2760, 62.4941

Square

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



48.7945, 55.2760, 63.9747



53.8449, 55.2760, 71.8551



56.4686, 55.2760, 56.5502



51.2528, 55.2760, 49.8543

Rectangle

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



48.7945, 55.2760, 63.9747



51.0788, 55.2760, 71.6476



56.4686, 55.2760, 56.5502



54.0251, 55.2760, 50.0173

Sweetspot

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



48.7961, 55.2783, 63.9759



91.3963, 98.1165, 108.7282



45.6918, 54.0493, 47.0551



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.



48.7961, 55.2783, 63.9759



80.1321, 92.3096, 108.1982



45.5522, 48.7899, 62.8963



11.5433, 12.7271, 14.4183



20.4494, 29.9251, 40.6470



1.0550, 1.5438, 2.0970

Inverse Universe

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



46.5581, 45.0418, 45.2723



75.5866, 71.5186, 70.2100



49.4700, 50.8660, 46.2416



11.2124, 11.2137, 11.6532



15.6736, 8.0800, 0.7340



0.8086, 0.4168, 0.0379

Previews

White Background



This preview shows how the XYZ color 48.7945, 55.2760, 63.9747 looks on a white background.

Color Contrast Check

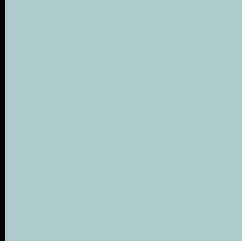
Large Text (above 18pt) WCAG AA × Fail

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 48.7945, 55.2760, 63.9747 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

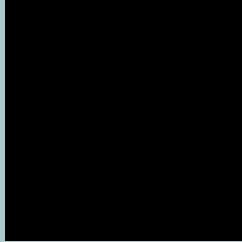
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

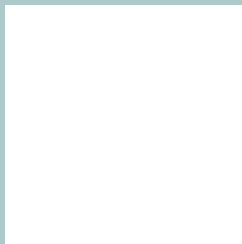
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 48.7945, 55.2760, 63.9747

Background



This preview shows how black text looks on a background with the XYZ color 48.7945, 55.2760, 63.9747.

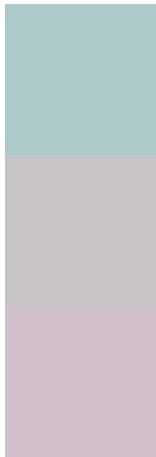


This preview shows how white text looks on a background with the XYZ color 48.7945, 55.2760,

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

48.7945, 55.2760, 63.9747

Protanopia

53.2613, 55.2495, 61.2831

Deuteranopia

56.1765, 55.0354, 64.7888



Tritanopia

50.7281, 55.3804, 72.9816

Trichromacy



Original Color

48.7945, 55.2760, 63.9747

Protanomaly

51.4892, 55.3305, 61.9989

Deuteranomaly

53.0972, 54.7657, 64.2722

Tritanomaly

50.1001, 55.4751, 69.6952

Monochromacy



Original Color

48.7945, 55.2760, 63.9747

Achromatopsia

50.6879, 53.3276, 58.0738

Achromatomaly

49.7113, 53.7797, 59.9850

CSS Examples

Text

The CSS property to change the color of the text to XYZ 48.7945, 55.2760, 63.9747 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(172, 202, 202)` looks like.

```
.text, #text, p{  
    color:rgb(172, 202, 202)  
}
```

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(172, 202, 202) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(172, 202, 202) }
```

Border

The CSS property to change the border of an element to XYZ 48.7945, 55.2760, 63.9747 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(172, 202, 202) }
```


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

```
.border{ border-color:rgb(172, 202, 202) }
```

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

Here you see how a box with a 4 pixel rgb(172, 202, 202) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(172, 202, 202); -webkit-box-  
shadow:4px 4px 4px 4px rgb(172, 202, 202);  
box-shadow:4px 4px 4px 4px rgb(172, 202,  
202) }
```

Background

The CSS property to change the background color of an element to XYZ 48.7945, 55.2760, 63.9747 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(172, 202, 202) }
```

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

```
.background{ background-color: rgb(172,  
202, 202) }
```

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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