

# Converting Colors

XYZ(47.8118, 54.1461, 63.1903)

Have a look what the booklet for  
XYZ(47.8118, 54.1461, 63.1903)  
contains.

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# **Color**

**XYZ(47.7745, 54.0716,  
63.1772)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	AAC8C9
RGB	170, 200, 201
RGB Percent	67%, 78%, 79%
CMY	0.3333, 0.2157, 0.2118
CMYK	0.15, 0.00, 0.00, 0.21
HSL	182°, 22%, 73%
HSV	182°, 15%, 79%
XYZ	47.7745, 54.0716, 63.1772
YIQ	191.1440, -18.2010, -6.0490

# Conversions

## Conversions Part 2

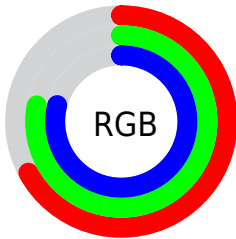
<b>Format</b>	<b>Color</b>
<b>RYB</b>	170, 185, 201
Decimal	11192521
CIELab	78.50, -9.79, -3.88
CIELCh	79, 10.534, 201.590
Yxy	54.0716, 0.2895, 0.3277
Android (android.graphics.Color)	4289382601 (0xFFAAC8C9)
YUV	191.1440, 4.8590, -18.5433
Hunter-Lab	73.5334, -12.7123, 0.5336

# Details

The XYZ color **47.7745, 54.0716, 63.1772** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **45.9065, 44.4458, 44.1908**, and the grayscale version is **49.5863, 52.1686, 56.8117**.

A 20% lighter version of the original color is **85.1740, 94.9088, 108.4378**, and **22.8815, 26.4463, 31.5024** is the 20% darker color. If you saturate the color by 10%, you get **43.6082, 51.7034, 62.9405**, and if you desaturate by 10%, it is **52.6089, 56.7881, 63.4476**.

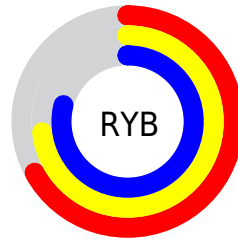
# Distribution



Red (67%)

Green (78%)

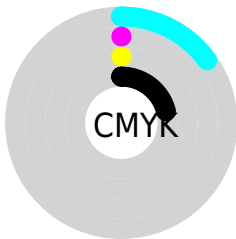
Blue (79%)



Red (67%)

Yellow (73%)

Blue (79%)

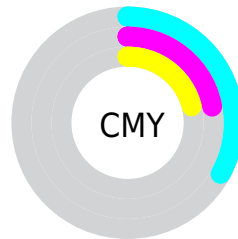


Cyan (15%)

Magenta (0%)

Yellow (0%)

Black (21%)



Cyan (33%)

Magenta (22%)

Yellow (21%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 47.7745, 54.0716, 63.1772 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 47.7745, 54.0716, 63.1772 by changing the saturation by 10% instead.



■ 47.7745, 54.0716,  
63.1772

■ 47.7745, 54.0716,  
63.1772

368.4951,  
402.3830, 454.3379

■ 33.8589, 38.6589,  
45.5427

■ 86.0803, 96.1794,  
111.0132

■ 22.9476, 26.4945,  
31.5390

111.2011,  
123.6432, 142.0517

■ 14.6753, 17.1939,  
20.7477

140.7878,  
155.8929, 178.3952

■ 8.6766, 10.3729,  
12.7503

175.2055,  
193.3129, 220.4624

■ 4.5863, 5.6469,  
7.1281

214.8198,  
236.2875, 268.6717

■ 2.0389, 2.6316,  
3.4627

259.9959,

■ 0.6557, 0.9426,

285.2011, 323.4417

1.3355

311.0992,  
340.4381, 385.1909

■ 0.0000, 0.0000,  
0.0906

■ 0.0000, 0.0000,  
0.0000

■ 47.7745, 54.0716,  
63.1772

■ 47.7745, 54.0716,  
63.1772

■ 43.6082, 51.7034,  
62.9405

■ 52.6089, 56.7881,  
63.4476

■ 40.0753, 49.6611,  
62.7325

■ 58.1349, 59.8606,  
63.7494

■ 37.1449, 47.9304,  
62.5529

■ 64.3806, 63.3051,  
64.0851

■ 34.7817, 46.4931,  
62.4001

■ 71.3711, 67.1345,  
64.4558

■ 32.9470, 45.3291,  
62.2721

■ 73.1948, 68.3012,  
64.5849

■ 31.5967, 44.4159,  
62.1670

■ 73.3481, 68.6078,  
64.6359

■ 30.6802, 43.7271,  
62.0823

■ 73.5020, 68.9156,  
64.6873

■ 30.1351, 43.2308,  
62.0153

■ 73.6566, 69.2248,  
64.7388

■ 29.9537, 43.0390,  
61.9878

■ 73.8118, 69.5352,  
64.7905

# Harmonies

## Analogous

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



47.5492, 54.0716, 57.2205



47.7745, 54.0716, 63.1772



48.9559, 54.0716, 68.2833

# Triad

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



47.7745, 54.0716, 63.1772



54.5814, 54.0716, 66.2578



51.9788, 54.0716, 48.2858

# Complementary

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



47.7745, 54.0716, 63.1772



45.9065, 44.4458, 44.1908

# 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.



53.9106, 54.0716, 50.3728



47.7745, 54.0716, 63.1772



55.4394, 54.0716, 60.5607

# Square

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



47.7745, 54.0716, 63.1772



52.8745, 54.0716, 70.1435



55.1907, 54.0716, 54.7723



49.9402, 54.0716, 48.8826



# Rectangle

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



47.7745, 54.0716, 63.1772



50.1445, 54.0716, 70.3873



55.1907, 54.0716, 54.7723



52.6629, 54.0716, 48.6914

# Sweetspot

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



47.7761, 54.0738, 63.1784



90.3831, 97.4001, 108.6441



44.7700, 53.2422, 46.2053



19.2106, 20.7721, 23.2469



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.



47.7761, 54.0738, 63.1784



78.9213, 90.9501, 108.0033



44.4667, 47.4552, 62.0753



10.9163, 12.0067, 13.6597



18.8470, 27.0879, 38.9795



0.9018, 1.3014, 1.8488



# Inverse Universe

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



48.8887, 45.3384, 60.8205



81.2440, 72.7879, 103.0649



48.9065, 50.4457, 45.1907



11.0678, 10.8105, 13.3403



21.3124, 10.2745, 33.1848



1.0139, 0.4884, 1.5962



# Previews

## White Background



This preview shows how the XYZ color 47.7745, 54.0716, 63.1772 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

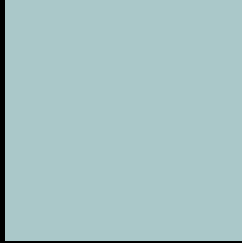
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 47.7745, 54.0716, 63.1772 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

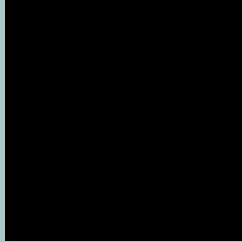
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**XYZ 47.7745, 54.0716, 63.1772**

## **Background**



This preview shows how black text looks on a background with the XYZ color 47.7745, 54.0716, 63.1772.



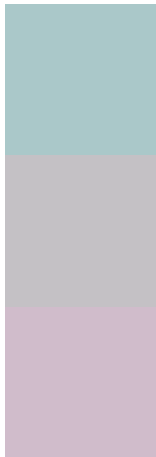
This preview shows how white text looks on a background with the XYZ color 47.7745, 54.0716,



# 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

47.7745, 54.0716, 63.1772

### Protanopia

51.9130, 53.9069, 60.4923

### Deuteranopia

54.7751, 53.6881, 63.9758



## Tritanopia

49.3449, 54.0139, 71.4433

# Trichromacy



## Original Color

47.7745, 54.0716, 63.1772

## Protanomaly

50.4265, 54.1219, 61.2149

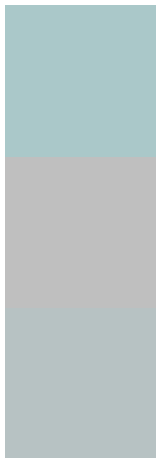
## Deuteranomaly

51.7584, 53.4329, 63.4627

## Tritanomaly

48.7266, 54.1082, 68.1974

# Monochromacy



## Original Color

47.7745, 54.0716, 63.1772

## Achromatopsia

49.5206, 52.0996, 56.7364

## Achromatomaly

48.6706, 52.5910, 59.2156

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 47.7745, 54.0716, 63.1772 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(170, 200, 201)` looks like.

```
.text, #text, p{  
    color:rgb(170, 200, 201)  
}
```

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(170, 200, 201) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(170, 200, 201) }
```

## Border

The CSS property to change the border of an element to XYZ 47.7745, 54.0716, 63.1772 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(170, 200, 201) }
```



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

```
.border{ border-color:rgb(170, 200, 201) }
```

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

Here you see how a box with a 4 pixel rgb(170, 200, 201) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(170, 200, 201); -webkit-box-  
shadow:4px 4px 4px 4px rgb(170, 200, 201);  
box-shadow:4px 4px 4px 4px rgb(170, 200,  
201) }
```

# Background

The CSS property to change the background color of an element to XYZ 47.7745, 54.0716, 63.1772 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(170, 200, 201) }
```

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

```
.background{ background-color: rgb(170,  
200, 201) }
```

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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