

# Converting Colors

XYZ(47.7214, 54.7262, 57.0661)

Have a look what the booklet for  
XYZ(47.7214, 54.7262, 57.0661)  
contains.

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# Color

**XYZ(47.9801, 55.0013,  
57.3777)**

# Conversions

## Conversions Part 1

Format	Color
Hex	AECABF
RGB	174, 202, 191
RGB Percent	68%, 79%, 75%
CMY	0.3176, 0.2078, 0.2510
CMYK	0.14, 0.00, 0.05, 0.21
HSL	156°, 21%, 74%
HSV	156°, 14%, 79%
XYZ	47.9801, 55.0013, 57.3777
YIQ	192.3740, -13.1570, -9.3570

# Conversions

## Conversions Part 2

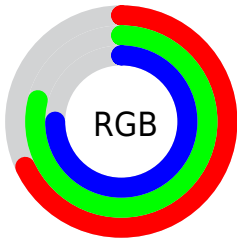
<b>Format</b>	<b>Color</b>
<b>RYB</b>	174, 191, 202
Decimal	11455167
CIELab	79.04, -11.55, 2.32
CIELCh	79, 11.778, 168.632
Yxy	55.0013, 0.2992, 0.3430
Android (android.graphics.Color)	4289645247 (0xFFAECABF)
YUV	192.3740, -0.6774, -16.1140
Hunter-Lab	74.1629, -14.3034, 6.0430

# Details

The XYZ color **47.9801, 55.0013, 57.3777** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **48.2522, 46.3330, 52.3015**, and the grayscale version is **50.3321, 52.9533, 57.6662**.

A 20% lighter version of the original color is **85.1816, 95.0584, 101.8542**, and **23.0625, 27.0797, 28.0561** is the 20% darker color. If you saturate the color by 10%, you get **42.9641, 52.5152, 52.7068**, and if you desaturate by 10%, it is **53.7233, 57.8599, 62.3321**.

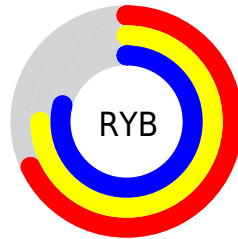
# Distribution



Red (68%)

Green (79%)

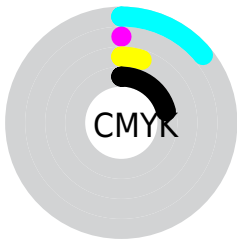
Blue (75%)



Red (68%)

Yellow (75%)

Blue (79%)

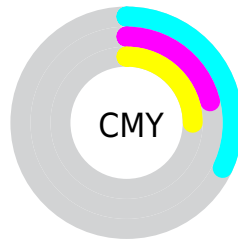


Cyan (14%)

Magenta (0%)

Yellow (5%)

Black (21%)



Cyan (32%)

Magenta (21%)

Yellow (25%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 47.9801, 55.0013, 57.3777 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 47.9801, 55.0013, 57.3777 by changing the saturation by 10% instead.



■ 47.9801, 55.0013,  
57.3777

■ 47.9801, 55.0013,  
57.3777

369.2971,  
405.9169, 432.3964

■ 34.0223, 39.4028,  
40.8972

■ 86.3846, 97.5429,  
102.5219

■ 23.0737, 27.0732,  
27.9197

111.5621,  
125.2547, 132.0226

■ 14.7689, 17.6282,  
18.0266

141.2102,  
157.7730, 166.7006

■ 8.7426, 10.6834,  
10.7994

175.6942,  
195.4823, 206.9742

■ 4.6295, 5.8544,  
5.8197

215.3796,  
238.7670, 253.2620

■ 2.0640, 2.7567,  
2.6687

260.6316,

■ 0.6696, 1.0061,

288.0113, 305.9827

0.9276

311.8157,  
343.5998, 365.5546

■ 0.0000, 0.0000,  
0.0000

■ 47.9801, 55.0013,  
57.3777

■ 47.9801, 55.0013,  
57.3777

■ 42.9641, 52.5152,  
52.7068

■ 53.7233, 57.8599,  
62.3321

■ 38.6399, 50.3788,  
48.3104

■ 60.2181, 61.0988,  
67.5714

■ 34.9759, 48.5775,  
44.1842


■ 67.4933, 64.7345,  
73.1019


■ 31.9360, 47.0927,  
40.3225

■ 75.5750, 68.7801,  
78.9284


■ 29.4807, 45.9042,  
36.7192


■ 76.7412, 69.2550,  
84.6930


 27.5658, 44.9892,  
33.3679

 77.8861, 69.7129,  
90.7220


 26.1403, 44.3215,  
30.2619

 79.0825, 70.1915,  
97.0220

 25.1425, 43.8696,  
27.3937

 80.3310, 70.6909,  
103.5965

 24.6737, 43.6639,  
25.7459

 80.4115, 70.7231,  
104.0205

# Harmonies

## Analogous

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



48.9657, 55.0013, 51.7519



47.9801, 55.0013, 57.3777



48.1199, 55.0013, 64.1081

# Triad

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



47.9801, 55.0013, 57.3777



53.7309, 55.0013, 72.9756



55.3139, 55.0013, 50.7094

# Complementary

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



47.9801, 55.0013, 57.3777



48.2522, 46.3330, 52.3015

# 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.



56.6671, 55.0013, 55.8555



47.9801, 55.0013, 57.3777



55.7344, 55.0013, 68.8330

# Square

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



47.9801, 55.0013, 57.3777



51.3934, 55.0013, 73.4598



56.8233, 55.0013, 62.4685



53.1709, 55.0013, 48.0985



# Rectangle

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



47.9801, 55.0013, 57.3777



48.8334, 55.0013, 68.3161



56.8233, 55.0013, 62.4685



55.8790, 55.0013, 52.1816

# Sweetspot

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



47.9816, 55.0036, 57.3789



90.7578, 97.8611, 105.3659



48.8183, 55.6387, 48.2117



19.2582, 20.8628, 22.4123



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

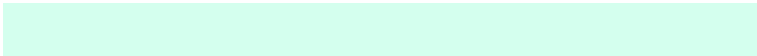


# Same Dimension

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



47.9816, 55.0036, 57.3789



78.2383, 91.6362, 94.4273



48.5876, 54.2042, 63.7814



11.3493, 12.6495, 13.3968



15.9213, 28.1138, 16.8026



0.8580, 1.4650, 1.0598



# Inverse Universe

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



48.2522, 46.3330, 52.3015



78.7947, 73.8116, 83.9912



47.6815, 46.9794, 46.6002



11.3918, 11.2855, 12.5979



16.6313, 8.4631, 5.7773



0.8950, 0.4514, 0.4930



# Previews

## White Background



This preview shows how the XYZ color 47.9801, 55.0013, 57.3777 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

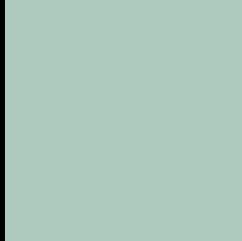
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 47.9801, 55.0013, 57.3777 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

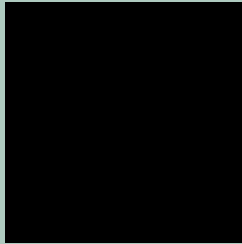
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

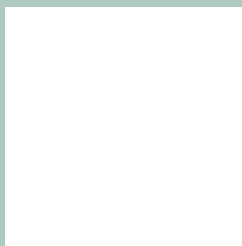
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**XYZ 47.9801, 55.0013, 57.3777**

## **Background**



This preview shows how black text looks on a background with the XYZ color 47.9801, 55.0013, 57.3777.



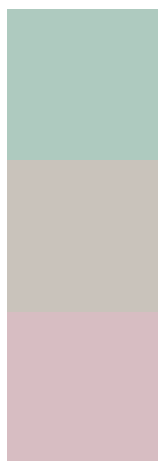
This preview shows how white text looks on a background with the XYZ color 47.9801, 55.0013,



# 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

47.9801, 55.0013, 57.3777

### Protanopia

52.5721, 55.0356, 54.8658

### Deuteranopia

55.9595, 54.7373, 58.6549



## Tritanopia

50.9211, 55.1669, 71.5828

# Trichromacy



## Original Color

47.9801, 55.0013, 57.3777

## Protanomaly

50.7570, 55.0954, 55.5362

## Deuteranomaly

52.7368, 54.7132, 58.2332

## Tritanomaly

49.9263, 55.1119, 66.3988

# Monochromacy



## Original Color

47.9801, 55.0013, 57.3777

## Achromatopsia

50.1023, 52.7115, 57.4028

## Achromatomaly

49.2619, 53.5999, 57.6186

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 47.9801, 55.0013, 57.3777 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(174, 202, 191)` looks like.

```
.text, #text, p{  
    color:rgb(174, 202, 191)  
}
```

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(174, 202, 191) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(174, 202, 191) }
```

## Border

The CSS property to change the border of an element to XYZ 47.9801, 55.0013, 57.3777 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(174, 202, 191) }
```



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

```
.border{ border-color:rgb(174, 202, 191) }
```

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

Here you see how a box with a 4 pixel `rgb(174, 202, 191)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(174, 202, 191); -webkit-box-shadow:4px 4px 4px 4px rgb(174, 202, 191); box-shadow:4px 4px 4px 4px rgb(174, 202, 191) }
```

# Background

The CSS property to change the background color of an element to XYZ 47.9801, 55.0013, 57.3777 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(174, 202, 191) }
```

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

```
.background{ background-color: rgb(174,  
202, 191) }
```

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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