

# Converting Colors

XYZ(47.1759, 52.0388, 63.4352)

Have a look what the booklet for  
XYZ(47.1759, 52.0388, 63.4352)  
contains.

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# Color

**XYZ(47.1890, 52.0651,  
63.4396)**

# Conversions

## Conversions Part 1

Format	Color
Hex	ACC3CA
RGB	172, 195, 202
RGB Percent	67%, 76%, 79%
CMY	0.3255, 0.2353, 0.2078
CMYK	0.15, 0.03, 0.00, 0.21
HSL	194°, 22%, 73%
HSV	194°, 15%, 79%
XYZ	47.1890, 52.0651, 63.4396
YIQ	188.9210, -15.9550, -2.6990

# Conversions

## Conversions Part 2

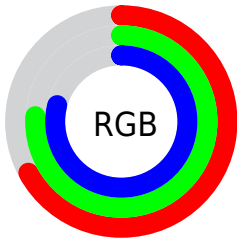
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	172, 185, 202
Decimal	11322314
CIE <sub>Lab</sub>	77.32, -6.32, -6.15
CIE <sub>LCh</sub>	77, 8.819, 224.193
Yxy	52.0651, 0.2900, 0.3200
Android (android.graphics.Color)	4289512394 (0xFFACC3CA)
YUV	188.9210, 6.4479, -14.8397
Hunter-Lab	72.1562, -9.5370, -1.6184

# Details

The XYZ color **47.1890, 52.0651, 63.4396** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **47.9240, 47.7752, 45.7263**, and the grayscale version is **48.2967, 50.8118, 55.3341**.

A 20% lighter version of the original color is **84.8553, 93.3348, 108.1508**, and **22.4779, 25.1098, 31.6789** is the 20% darker color. If you saturate the color by 10%, you get **42.0495, 47.8744, 62.9024**, and if you desaturate by 10%, it is **53.0387, 56.6742, 64.0218**.

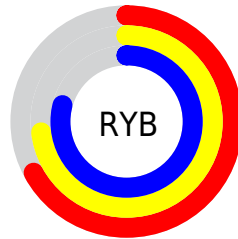
# Distribution



Red (67%)

Green (76%)

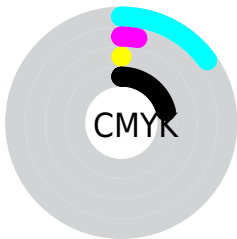
Blue (79%)



Red (67%)

Yellow (73%)

Blue (79%)

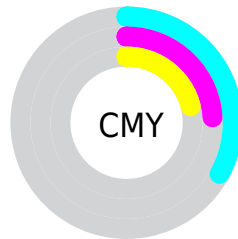


Cyan (15%)

Magenta (3%)

Yellow (0%)

Black (21%)



Cyan (33%)

Magenta (24%)

Yellow (21%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 47.1890, 52.0651, 63.4396 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 47.1890, 52.0651, 63.4396 by changing the saturation by 10% instead.



■ 47.1890, 52.0651,  
63.4396

■ 47.1890, 52.0651,  
63.4396

366.2048,  
394.6879, 455.3149

■ 33.3937, 37.0570,  
45.7537

■ 85.2127, 93.2272,  
111.3952

■ 22.5889, 25.2516,  
31.7042

110.1718,  
120.1500, 142.5019

■ 14.4092, 16.2646,  
20.8727

139.5828,  
151.8132, 178.9192

■ 8.4894, 9.7116,  
12.8407

173.8111,  
188.6011, 221.0658

■ 4.4641, 5.2082,  
7.1895

213.2222,  
230.8981, 269.3601

■ 1.9679, 2.3699,  
3.5006

258.1812,

■ 0.6158, 0.8103,

279.0886, 324.2207

1.3556

309.0536,  
333.5571, 386.0661

■ 0.0000, 0.0000,  
0.1067

■ 0.0000, 0.0000,  
0.0000

■ 47.1890, 52.0651,  
63.4396

■ 47.1890, 52.0651,  
63.4396

■ 42.0495, 47.8744,  
62.9024

■ 53.0387, 56.6742,  
64.0218

■ 37.5851, 44.0793,  
62.4052

■ 59.6229, 61.7104,  
64.6468

■ 33.7643, 40.6646,  
61.9475

■ 66.9699, 67.1902,  
65.3173

■ 30.5514, 37.6113,  
61.5275

■ 75.1057, 73.1274,  
66.0345

■ 27.9068, 34.8986,  
61.1433

■ 77.1183, 75.9592,  
66.4750

■ 25.7862, 32.5033,  
60.7927

■ 78.3617, 78.4460,  
66.8895

■ 24.1383, 30.3982,  
60.4732

■ 79.6402, 81.0030,  
67.3156

■ 22.9008, 28.5509,  
60.1819

■ 80.9540, 83.6307,  
67.7536

■ 22.3631, 27.6689,  
60.0400

■ 82.3034, 86.3295,  
68.2034

# Harmonies

## Analogous

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



46.3973, 52.0651, 59.0065



47.1890, 52.0651, 63.4396



48.6049, 52.0651, 66.1409

# Triad

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



47.1890, 52.0651, 63.4396



52.6847, 52.0651, 59.2675



48.6925, 52.0651, 48.1243

# Complementary

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



47.1890, 52.0651, 63.4396



47.9240, 47.7752, 45.7263

# 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.



50.3783, 52.0651, 48.1853



47.1890, 52.0651, 63.4396



52.7095, 52.0651, 54.4350

# Square

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



47.1890, 52.0651, 63.4396



51.7901, 52.0651, 63.6400



51.8570, 52.0651, 50.4371



47.2519, 52.0651, 50.2654



# Rectangle

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



47.1890, 52.0651, 63.4396



49.7247, 52.0651, 66.5046



51.8570, 52.0651, 50.4371



49.2487, 52.0651, 47.8920

# Sweetspot

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



47.1905, 52.0673, 63.4408



90.6422, 96.6080, 108.4776



46.2209, 54.2471, 50.4187



19.2287, 20.5444, 23.2020



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

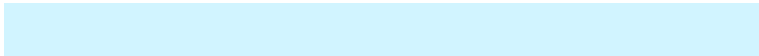


# Same Dimension

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



47.1905, 52.0673, 63.4408



76.8120, 85.6684, 107.0950



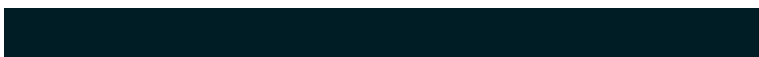
44.0972, 45.8806, 62.4097



11.3128, 12.2661, 14.3417



14.4610, 17.9459, 38.6580



0.8014, 1.0365, 2.0128



# Inverse Universe

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



48.9612, 46.0028, 57.9311



80.4388, 73.4595, 95.7617



50.9851, 53.8974, 46.7467



11.5713, 11.3572, 13.5429



19.5101, 9.6146, 20.9368



1.0344, 0.5072, 1.2272



# Previews

## White Background



This preview shows how the XYZ color 47.1890, 52.0651, 63.4396 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

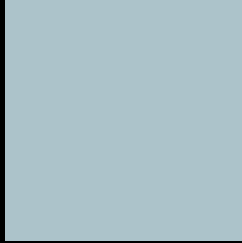
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 47.1890, 52.0651, 63.4396 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

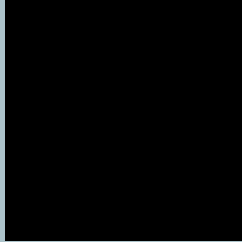
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**XYZ 47.1890, 52.0651, 63.4396**

## **Background**



This preview shows how black text looks on a background with the XYZ color 47.1890, 52.0651, 63.4396.



This preview shows how white text looks on a background with the XYZ color 47.1890, 52.0651,



# 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

47.1890, 52.0651, 63.4396

### Protanopia

50.4605, 52.1569, 61.4406

### Deuteranopia

52.8766, 51.7541, 64.3294



## Tritanopia

48.0340, 52.0713, 67.8407

# Trichromacy



## Original Color

47.1890, 52.0651, 63.4396

## Protanomaly

49.2825, 52.1837, 62.1186

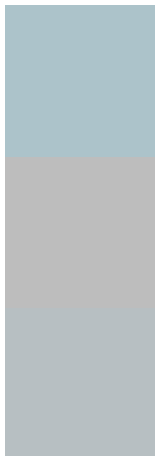
## Deuteranomaly

50.7153, 51.9135, 63.8472

## Tritanomaly

47.6659, 51.9240, 65.9026

# Monochromacy



## Original Color

47.1890, 52.0651, 63.4396

## Achromatopsia

48.3692, 50.8881, 55.4172

## Achromatomaly

47.8968, 51.2239, 58.4017

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 47.1890, 52.0651, 63.4396 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, 195, 202)` looks like.

```
.text, #text, p{  
    color:rgb(172, 195, 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, 195, 202) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(172, 195, 202) }
```

## Border

The CSS property to change the border of an element to XYZ 47.1890, 52.0651, 63.4396 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, 195, 202) }
```



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

```
.border{ border-color:rgb(172, 195, 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, 195, 202)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(172, 195, 202); -webkit-box-  
shadow:4px 4px 4px 4px rgb(172, 195, 202);  
box-shadow:4px 4px 4px 4px rgb(172, 195,  
202) }
```

# Background

The CSS property to change the background color of an element to XYZ 47.1890, 52.0651, 63.4396 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(172, 195, 202) }
```

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

```
.background{ background-color: rgb(172,  
195, 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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