

# Converting Colors

XYZ(48.5608, 55.8101, 63.4323)

Have a look what the booklet for  
XYZ(48.5608, 55.8101, 63.4323)  
contains.

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# Color

**XYZ(48.7130, 55.9488,  
63.4901)**

# Conversions

## Conversions Part 1

Format	Color
Hex	AACCC9
RGB	170, 204, 201
RGB Percent	67%, 80%, 79%
CMY	0.3333, 0.2000, 0.2118
CMYK	0.17, 0.00, 0.01, 0.20
HSL	175°, 25%, 73%
HSV	175°, 17%, 80%
XYZ	48.7130, 55.9488, 63.4901
YIQ	193.4920, -19.3010, -8.1410

# Conversions

## Conversions Part 2

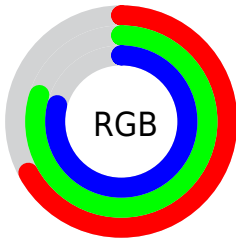
Format	Color
<b>RYB</b>	170, 188, 204
Decimal	11193545
CIELab	79.58, -11.87, -2.29
CIELCh	80, 12.087, 190.906
Yxy	55.9488, 0.2897, 0.3327
Android (android.graphics.Color)	4289383625 (0xFFAACC9)
YUV	193.4920, 3.7014, -20.6025
Hunter-Lab	74.7989, -14.6495, 2.0333

# Details

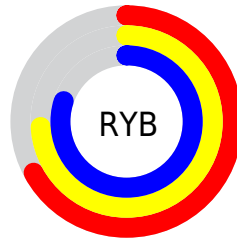
The XYZ color **48.7130, 55.9488, 63.4901** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **46.8213, 44.6054, 45.6794**, and the grayscale version is **50.9664, 53.6206, 58.3929**.

A 20% lighter version of the original color is **85.1740, 94.9088, 108.4378**, and **23.5089, 27.7012, 31.7116** is the 20% darker color. If you saturate the color by 10%, you get **44.4303, 53.7668, 62.1909**, and if you desaturate by 10%, it is **53.6857, 58.4892, 64.8369**.

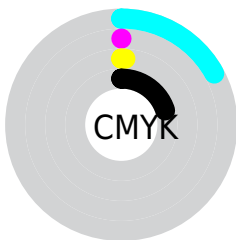
# Distribution



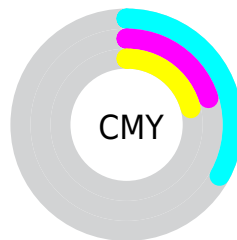
- Red (67%)
- Green (80%)
- Blue (79%)



- Red (67%)
- Yellow (74%)
- Blue (80%)



- Cyan (17%)
- Magenta (0%)
- Yellow (1%)
- Black (20%)



- Cyan (33%)
- Magenta (20%)
- Yellow (21%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 48.7130, 55.9488, 63.4901 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 48.7130, 55.9488, 63.4901 by changing the saturation by 10% instead.



■ 48.7130, 55.9488,  
63.4901

■ 48.7130, 55.9488,  
63.4901

372.1471,  
409.4985, 455.5028

■ 34.6055, 40.1619,  
45.7943

■ 87.4683, 98.9297,  
111.4687

■ 23.5242, 27.6648,  
31.7360

112.8468,  
126.8925, 142.5885

■ 15.1039, 18.0731,  
20.8968

142.7131,  
159.6827, 179.0200

■ 8.9791, 11.0025,  
12.8581

177.4323,  
197.6847, 221.1819

■ 4.7846, 6.0685,  
7.2013

217.3700,  
241.2828, 269.4925

■ 2.1549, 2.8868,  
3.5080

262.8915,

■ 0.7188, 1.0729,

290.8616, 324.3705

1.3595

314.3620,  
346.8054, 386.2344

■ 0.0000, 0.0000,  
0.1098

■ 0.0000, 0.0000,  
0.0000

■ 48.7130, 55.9488,  
63.4901

■ 48.7130, 55.9488,  
63.4901

■ 44.4303, 53.7668,  
62.1909

■ 53.6857, 58.4892,  
64.8369

■ 40.8014, 51.9201,  
60.9340

■ 59.3731, 61.3962,  
66.2291

■ 37.7940, 50.3935,  
59.7192

■ 65.8045, 64.6865,  
67.6691

■ 35.3710, 49.1679,  
58.5445

■ 73.0061, 68.3735,  
69.1582

■ 33.4915, 48.2222,  
57.4080

■ 74.4679, 69.1014,  
70.3919

■ 32.1092, 47.5325,  
56.3076

■ 74.6937, 69.1917,  
71.5810

■ 31.1704, 47.0712,  
55.2407

■ 74.9220, 69.2830,  
72.7834

■ 30.6046, 46.8019,  
54.2038

■ 75.1529, 69.3754,  
73.9992

■ 30.4556, 46.7324,  
53.8630

■ 75.3864, 69.4688,  
75.2284

# Harmonies

## Analogous

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



48.8763, 55.9488, 56.6384



48.7130, 55.9488, 63.4901



49.7182, 55.9488, 70.1243

# Triad

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



48.7130, 55.9488, 63.4901



56.3017, 55.9488, 71.6213



54.7234, 55.9488, 49.1098

# Complementary

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



48.7130, 55.9488, 63.4901



46.8213, 44.6054, 45.6794

# 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.



56.7940, 55.9488, 52.5563



48.7130, 55.9488, 63.4901



57.7242, 55.9488, 65.4095

# Square

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



48.7130, 55.9488, 63.4901



54.0681, 55.9488, 75.0514



57.9071, 55.9488, 58.4177



52.2971, 55.9488, 48.6819



# Rectangle

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



48.7130, 55.9488, 63.4901



50.9342, 55.9488, 73.3982



57.9071, 55.9488, 58.4177



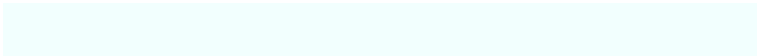
55.4860, 55.9488, 49.9406

# Sweetspot

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



48.7146, 55.9511, 63.4914



90.3330, 97.5892, 107.7357



46.1724, 55.0202, 46.2175



19.1984, 20.8183, 23.0252



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

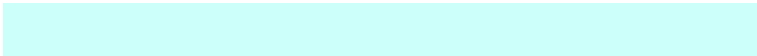


# Same Dimension

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



48.7146, 55.9511, 63.4914



77.9951, 91.2907, 104.3610



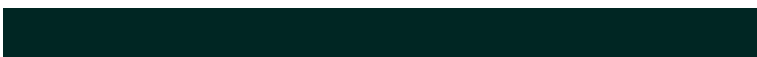
45.9785, 49.9079, 64.3393



11.4989, 12.7093, 14.1845



19.1859, 29.4196, 33.9934



1.0026, 1.5229, 1.8213



# Inverse Universe

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



46.8213, 44.6054, 45.6794



74.2801, 69.0246, 69.4082



49.2170, 49.8565, 45.0603



11.2519, 11.2295, 11.8610



15.7572, 8.1135, 1.1741



0.8271, 0.4242, 0.1353



# Previews

## White Background



This preview shows how the XYZ color 48.7130, 55.9488, 63.4901 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

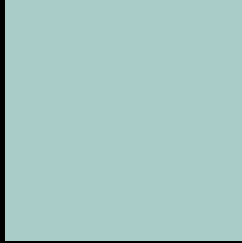
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 48.7130, 55.9488, 63.4901 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

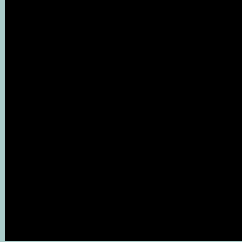
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

# XYZ 48.7130, 55.9488, 63.4901

## Background



This preview shows how black text looks on a background with the XYZ color 48.7130, 55.9488, 63.4901.



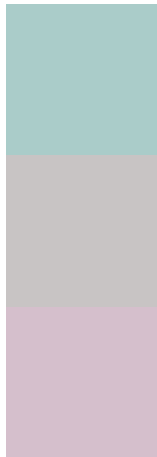
This preview shows how white text looks on a background with the XYZ color 48.7130, 55.9488,



# 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

48.7130, 55.9488, 63.4901

### Protanopia

53.5232, 55.7447, 60.1634

### Deuteranopia

56.9705, 55.7674, 64.8883



## Tritanopia

50.7751, 55.7195, 74.4085

# Trichromacy



## Original Color

48.7130, 55.9488, 63.4901

## Protanomaly

51.6027, 55.7429, 61.4658

## Deuteranomaly

53.5454, 55.6620, 64.4216

## Tritanomaly

50.0175, 55.7652, 70.4149

# Monochromacy



## Original Color

48.7130, 55.9488, 63.4901

## Achromatopsia

50.6879, 53.3276, 58.0738

## Achromatomaly

49.9376, 54.2323, 60.0604

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 48.7130, 55.9488, 63.4901 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, 204, 201)` looks like.

```
.text, #text, p{  
    color:rgb(170, 204, 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, 204, 201) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(170, 204, 201) }
```

## Border

The CSS property to change the border of an element to XYZ 48.7130, 55.9488, 63.4901 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, 204, 201) }
```



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

```
.border{ border-color:rgb(170, 204, 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, 204, 201)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(170, 204, 201); -webkit-box-  
shadow:4px 4px 4px 4px rgb(170, 204, 201);  
box-shadow:4px 4px 4px 4px rgb(170, 204,  
201) }
```

# Background

The CSS property to change the background color of an element to XYZ 48.7130, 55.9488, 63.4901 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(170, 204, 201) }
```

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

```
.background{ background-color: rgb(170,  
204, 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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