

# Converting Colors

XYZ(45.5482, 49.3873, 63.0190)

Have a look what the booklet for  
XYZ(45.5482, 49.3873, 63.0190)  
contains.

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# Color

**XYZ(45.4358, 49.2055,  
62.9800)**

# Conversions

## Conversions Part 1

Format	Color
Hex	AABDCA
RGB	170, 189, 202
RGB Percent	67%, 74%, 79%
CMY	0.3333, 0.2588, 0.2078
CMYK	0.16, 0.06, 0.00, 0.21
HSL	204°, 23%, 73%
HSV	204°, 16%, 79%
XYZ	45.4358, 49.2055, 62.9800
YIQ	184.8010, -15.4970, 0.0150

# Conversions

## Conversions Part 2

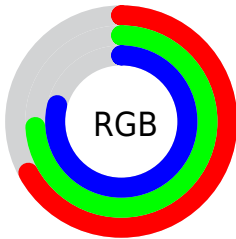
<b>Format</b>	<b>Color</b>
<b>RYB</b>	170, 182, 202
Decimal	11189706
CIELab	75.58, -3.79, -8.74
CIELCh	76, 9.529, 246.594
Yxy	49.2055, 0.2883, 0.3122
Android (android.graphics.Color)	4289379786 (0xFFAABDCA)
YUV	184.8010, 8.4791, -12.9805
Hunter-Lab	70.1466, -7.1375, -4.1299

# Details

The XYZ color **45.4358, 49.2055, 62.9800** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **48.5466, 49.3256, 44.9932**, and the grayscale version is **45.9652, 48.3590, 52.6629**.

A 20% lighter version of the original color is **82.0664, 88.6936, 107.4019**, and **21.6207, 23.5980, 31.4323** is the 20% darker color. If you saturate the color by 10%, you get **39.6852, 43.6958, 62.2204**, and if you desaturate by 10%, it is **51.9602, 55.2649, 63.8065**.

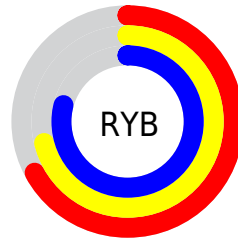
# Distribution



Red (67%)

Green (74%)

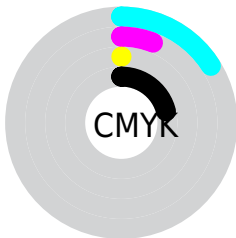
Blue (79%)



Red (67%)

Yellow (71%)

Blue (79%)

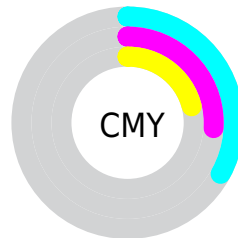


Cyan (16%)

Magenta (6%)

Yellow (0%)

Black (21%)



Cyan (33%)

Magenta (26%)

Yellow (21%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 45.4358, 49.2055, 62.9800 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 45.4358, 49.2055, 62.9800 by changing the saturation by 10% instead.



■ 45.4358, 49.2055,  
62.9800

■ 45.4358, 49.2055,  
62.9800

359.2898,  
383.5508, 453.6028

■ 32.0036, 34.7825,  
45.3841

■ 82.6070, 88.9966,  
110.7260

■ 21.5198, 23.4954,  
31.4150

107.0767,  
115.1335, 141.7131

■ 13.6191, 14.9597,  
20.6539

135.9563,  
145.9438, 178.0011

■ 7.9361, 8.7911,  
12.6825

169.6111,  
181.8120, 220.0085

■ 4.1056, 4.6052,  
7.0821

208.4065,  
223.1224, 268.1539

■ 1.7620, 2.0175,  
3.4343

252.7079,

■ 0.4946, 0.6176,

270.2594, 322.8557

1.3204

302.8805,  
323.6074, 384.5325

■ 0.0000, 0.0000,  
0.0784

■ 0.0000, 0.0000,  
0.0000

■ 45.4358, 49.2055,  
62.9800

■ 45.4358, 49.2055,  
62.9800

■ 39.6852, 43.6958,  
62.2204

■ 51.9602, 55.2649,  
63.8065

■ 34.6717, 38.7107,  
61.5224

■ 59.2841, 61.8858,  
64.6984

■ 30.3624, 34.2318,  
60.8850

■ 67.4376, 69.0872,  
65.6587

■ 26.7196, 30.2374,  
60.3060

■ 76.4475, 76.8853,  
66.6890

■ 23.7020, 26.7034,  
59.7829

■ 80.2052, 82.1332,  
67.5039

■ 21.2633, 23.6032,  
59.3131

■ 82.5429, 86.8086,  
68.2832

■ 19.3496, 20.9063,  
58.8934

■ 84.9896, 91.7018,  
69.0987

■ 17.8945, 18.5757,  
58.5202

■ 87.5465, 96.8157,  
69.9510

■ 17.3719, 17.6864,  
58.3761

■ 87.6608, 97.0443,  
69.9891

# Harmonies

## Analogous

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



44.1015, 49.2055, 59.5693



45.4358, 49.2055, 62.9800



47.1583, 49.2055, 63.8011

# Triad

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



45.4358, 49.2055, 62.9800



50.2141, 49.2055, 52.4703



44.7782, 49.2055, 46.1600

# Complementary

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



45.4358, 49.2055, 62.9800



48.5466, 49.3256, 44.9932

# 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.



46.3805, 49.2055, 44.5070



45.4358, 49.2055, 62.9800



49.5406, 49.2055, 47.9996

# Square

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



45.4358, 49.2055, 62.9800



49.9459, 49.2055, 57.5227



48.1267, 49.2055, 45.1588



43.7286, 49.2055, 49.8149



# Rectangle

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



45.4358, 49.2055, 62.9800



48.3010, 49.2055, 62.7264



48.1267, 49.2055, 45.1588



45.2685, 49.2055, 45.3626

# Sweetspot

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



45.4373, 49.2075, 62.9811



88.8839, 94.4018, 108.1444



46.2254, 54.1985, 52.7166



18.8454, 20.0417, 23.1251



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

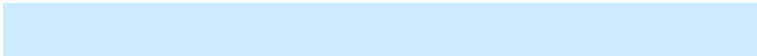


# Same Dimension

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



45.4373, 49.2075, 62.9811



73.4569, 80.0214, 106.1818



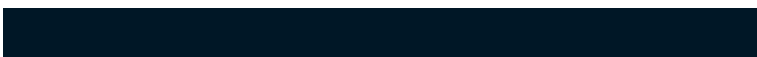
42.2211, 42.7752, 61.9090



11.1463, 11.9330, 14.2862



11.2678, 11.5596, 37.5936



0.6546, 0.7431, 1.9639



# Inverse Universe

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



47.9183, 44.9812, 54.3031



78.4858, 71.6846, 88.5406



51.9911, 56.2146, 46.1414



11.4872, 11.3236, 13.1002



17.8984, 8.9699, 12.4494

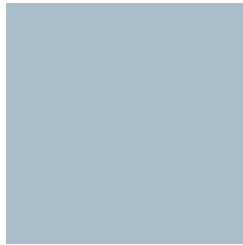


0.9604, 0.4776, 0.8372



# Previews

## White Background



This preview shows how the XYZ color 45.4358, 49.2055, 62.9800 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

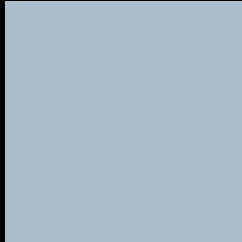
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 45.4358, 49.2055, 62.9800 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

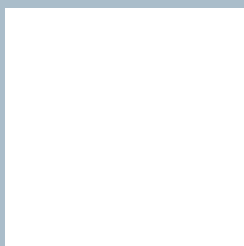
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**XYZ 45.4358, 49.2055, 62.9800**

## **Background**



This preview shows how black text looks on a background with the XYZ color 45.4358, 49.2055, 62.9800.



This preview shows how white text looks on a background with the XYZ color 45.4358, 49.2055,



# 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

45.4358, 49.2055, 62.9800

### Protanopia

47.6653, 49.1357, 61.0047

### Deuteranopia

50.1879, 49.1431, 63.9671



## Tritanopia

45.6742, 49.3009, 64.2355

# Trichromacy



## Original Color

45.4358, 49.2055, 62.9800

## Protanomaly

46.8066, 48.9912, 61.6329

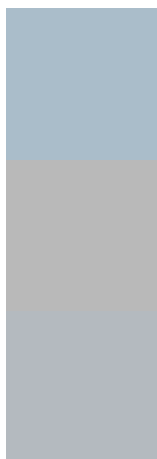
## Deuteranomaly

48.4135, 49.1576, 63.4366

## Tritanomaly

45.5547, 49.2530, 63.6057

# Monochromacy



## Original Color

45.4358, 49.2055, 62.9800

## Achromatopsia

46.1135, 48.5150, 52.8328

## Achromatomaly

45.7853, 48.5827, 56.2545

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 45.4358, 49.2055, 62.9800 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, 189, 202)` looks like.

```
.text, #text, p{  
    color:rgb(170, 189, 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(170, 189, 202) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(170, 189, 202) }
```

## Border

The CSS property to change the border of an element to XYZ 45.4358, 49.2055, 62.9800 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, 189, 202) }
```



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

```
.border{ border-color:rgb(170, 189, 202) }
```

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

Here you see how a box with a 4 pixel `rgb(170, 189, 202)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(170, 189, 202); -webkit-box-  
shadow:4px 4px 4px 4px rgb(170, 189, 202);  
box-shadow:4px 4px 4px 4px rgb(170, 189,  
202) }
```

# Background

The CSS property to change the background color of an element to XYZ 45.4358, 49.2055, 62.9800 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(170, 189, 202) }
```

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

```
.background{ background-color: rgb(170,  
189, 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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