

# Converting Colors

XYZ(47.9858, 52.6683, 69.9242)

Have a look what the booklet for  
XYZ(47.9858, 52.6683, 69.9242)  
contains.

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# Color

**XYZ(47.9858, 52.6683,  
69.9242)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	A9C4D4
RGB	169, 196, 212
RGB Percent	66%, 77%, 83%
CMY	0.3372, 0.2314, 0.1686
CMYK	0.20, 0.08, 0.00, 0.17
HSL	202°, 33%, 75%
HSV	202°, 20%, 83%
XYZ	47.9858, 52.6683, 69.9242
YIQ	189.7510, -21.2280, -0.7480

# Conversions

## Conversions Part 2

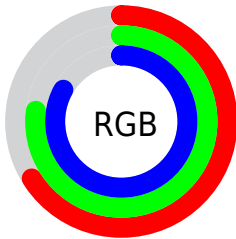
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	169, 186, 212
Decimal	11125972
CIE <sub>Lab</sub>	77.68, -5.65, -11.04
CIE <sub>LCh</sub>	78, 12.401, 242.871
Yxy	52.6683, 0.2813, 0.3088
Android (android.graphics.Color)	4289316052 (0xFFA9C4D4)
YUV	189.7510, 10.9688, -18.1986
Hunter-Lab	72.5729, -8.9770, -6.3250

# Details

The XYZ color **47.9858, 52.6683, 69.9242** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **51.6624, 51.5598, 44.7665**, and the grayscale version is **48.7493, 51.2880, 55.8526**.

A 20% lighter version of the original color is **84.2266, 93.4781, 108.2116**, and **22.9613, 25.4933, 35.6088** is the 20% darker color. If you saturate the color by 10%, you get **42.0690, 47.0473, 69.1519**, and if you desaturate by 10%, it is **54.7367, 58.8609, 70.7645**.

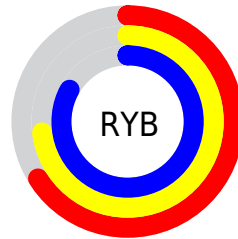
# Distribution



Red (66%)

Green (77%)

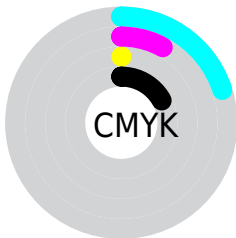
Blue (83%)



Red (66%)

Yellow (73%)

Blue (83%)

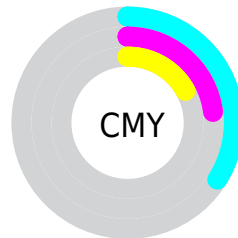


Cyan (20%)

Magenta (8%)

Yellow (0%)

Black (17%)



Cyan (34%)

Magenta (23%)

Yellow (17%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 47.9858, 52.6683, 69.9242 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 47.9858, 52.6683, 69.9242 by changing the saturation by 10% instead.



■ 47.9858, 52.6683,  
69.9242

■ 47.9858, 52.6683,  
69.9242

369.3194,  
397.0112, 479.0657

■ 34.0268, 37.5380,  
50.9883

■ 86.3931, 94.1161,  
120.7808

■ 23.0772, 25.6243,  
35.8226

111.5721,  
121.2024, 153.5385

■ 14.7715, 16.5428,  
24.0086

141.2219,  
153.0429, 191.7406

■ 8.7445, 9.9091,  
15.1278

175.7078,  
190.0219, 235.8057

■ 4.6307, 5.3387,  
8.7615

215.3951,  
232.5238, 286.1522

■ 2.0647, 2.4473,  
4.4913

260.6493,

■ 0.6699, 0.8501,

280.9331, 343.1986

1.8985

311.8356,  
335.6341, 407.3637

■ 0.0000, 0.0000,  
0.4918

■ 0.0000, 0.0000,  
0.0000

■ 47.9858, 52.6683,  
69.9242

■ 47.9858, 52.6683,  
69.9242

■ 42.0690, 47.0473,  
69.1519

■ 54.7367, 58.8609,  
70.7645

■ 36.9447, 41.9702,  
68.4421

■ 62.3515, 65.6383,  
71.6714

■ 32.5746, 37.4166,  
67.7934

■ 70.8642, 73.0216,  
72.6478

■ 28.9150, 33.3616,  
67.2036

■ 80.3055, 81.0286,  
73.6957

■ 25.9177, 29.7781,  
66.6699

■ 82.9585, 85.6828,  
74.4542

■ 23.5274, 26.6353,  
66.1893

■ 85.2727, 90.3112,  
75.2256

■ 21.6790, 23.8972,  
65.7582

■ 87.6883, 95.1425,  
76.0309

■ 20.2889, 21.5636,  
65.3810

■ 88.8838, 97.5335,  
76.4294

# Harmonies

## Analogous

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



46.2849, 52.6683, 64.8189



47.9858, 52.6683, 69.9242



50.2910, 52.6683, 71.5768

# Triad

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



47.9858, 52.6683, 69.9242



54.8088, 52.6683, 56.6878



47.5979, 52.6683, 46.9527

# Complementary

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



47.9858, 52.6683, 69.9242



51.6624, 51.5598, 44.7665

# 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.



49.8290, 52.6683, 45.1401



47.9858, 52.6683, 69.9242



54.0342, 52.6683, 50.4723

# Square

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



47.9858, 52.6683, 69.9242



54.2776, 52.6683, 63.5834



52.1924, 52.6683, 46.3760



46.0660, 52.6683, 51.5320



# Rectangle

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



47.9858, 52.6683, 69.9242



51.8737, 52.6683, 70.3987



52.1924, 52.6683, 46.3760



48.2884, 52.6683, 46.0169

# Sweetspot

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



47.9874, 52.6705, 69.9254



87.8543, 93.6346, 108.0506



48.6391, 59.0159, 54.5987



18.6432, 19.8977, 23.1080



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

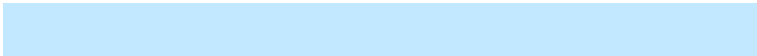


# Same Dimension

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



47.9874, 52.6705, 69.9254



69.1685, 76.5062, 105.7294



43.5251, 43.7460, 68.4380



12.3859, 13.2951, 15.8509



12.6240, 13.5098, 40.3955



0.8395, 0.9711, 2.4625



# Inverse Universe

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



51.3044, 46.3598, 58.4712



75.0856, 65.5939, 85.2195



56.4493, 61.1337, 46.3622



12.7480, 12.5507, 14.6130



19.4309, 9.7087, 14.8389

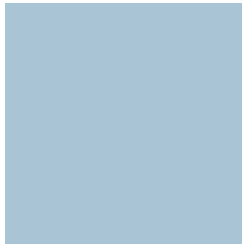


1.2114, 0.6014, 1.1026



# Previews

## White Background



This preview shows how the XYZ color 47.9858, 52.6683, 69.9242 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

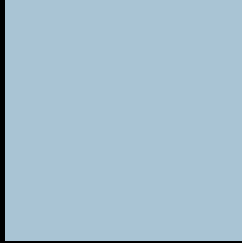
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 47.9858, 52.6683, 69.9242 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

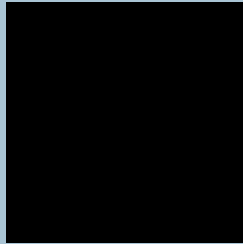
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

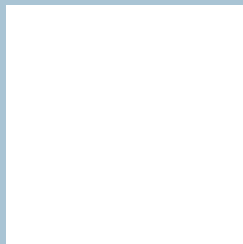
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**XYZ 47.9858, 52.6683, 69.9242**

## **Background**



This preview shows how black text looks on a background with the XYZ color 47.9858, 52.6683, 69.9242.



This preview shows how white text looks on a background with the XYZ color 47.9858, 52.6683,



# 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

47.9858, 52.6683, 69.9242

### Protanopia

51.0338, 52.3281, 67.0851

### Deuteranopia

53.7273, 52.6750, 70.9539



## Tritanopia

47.9858, 52.6683, 69.9242

# Trichromacy



## Original Color

47.9858, 52.6683, 69.9242

## Protanomaly

49.6497, 52.2478, 67.7896

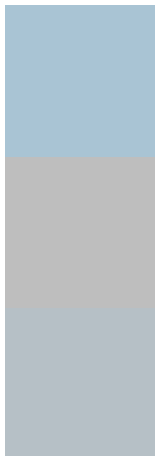
## Deuteranomaly

51.4100, 52.4498, 70.3650

## Tritanomaly

47.9858, 52.6683, 69.9242

# Monochromacy



## Original Color

47.9858, 52.6683, 69.9242

## Achromatopsia

48.9429, 51.4918, 56.0745

## Achromatomaly

48.3341, 51.7216, 60.8619

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 47.9858, 52.6683, 69.9242 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(169, 196, 212)` looks like.

```
.text, #text, p{  
    color:rgb(169, 196, 212)  
}
```

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(169, 196, 212) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(169, 196, 212) }
```

## Border

The CSS property to change the border of an element to XYZ 47.9858, 52.6683, 69.9242 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(169, 196, 212) }
```



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

```
.border{ border-color:rgb(169, 196, 212) }
```

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

Here you see how a box with a 4 pixel `rgb(169, 196, 212)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(169, 196, 212); -webkit-box-  
shadow:4px 4px 4px 4px rgb(169, 196, 212);  
box-shadow:4px 4px 4px 4px rgb(169, 196,  
212) }
```

# Background

The CSS property to change the background color of an element to XYZ 47.9858, 52.6683, 69.9242 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(169, 196, 212) }
```

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

```
.background{ background-color: rgb(169,  
196, 212) }
```

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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