

# Converting Colors

XYZ(49.2116, 60.9736, 68.1207)

Have a look what the booklet for  
XYZ(49.2116, 60.9736, 68.1207)  
contains.

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# Color

**XYZ(49.2122, 60.9030,  
68.1932)**

# Conversions

## Conversions Part 1

Format	Color
Hex	99D9CF
RGB	153, 217, 207
RGB Percent	60%, 85%, 81%
CMY	0.4000, 0.1490, 0.1882
CMYK	0.29, 0.00, 0.05, 0.15
HSL	171°, 46%, 73%
HSV	171°, 29%, 85%
XYZ	49.2122, 60.9030, 68.1932
YIQ	196.7240, -34.9340, -16.6780

# Conversions

## Conversions Part 2

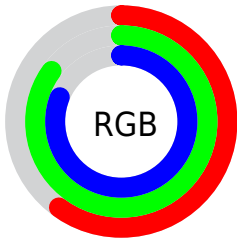
<b>Format</b>	<b>Color</b>
<b>RYB</b>	153, 188, 217
Decimal	10082767
CIELab	82.33, -22.33, -1.59
CIELCh	82, 22.382, 184.067
Yxy	60.9030, 0.2760, 0.3416
Android (android.graphics.Color)	4288272847 (0xFF99D9CF)
YUV	196.7240, 5.0661, -38.3459
Hunter-Lab	78.0404, -24.0087, 2.8195

# Details

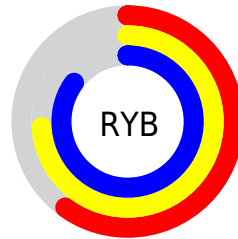
The XYZ color **49.2122, 60.9030, 68.1932** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **46.6195, 40.1802, 39.9512**, and the grayscale version is **52.8914, 55.6459, 60.5984**.

A 20% lighter version of the original color is **80.1045, 92.2953, 108.2006**, and **23.8157, 30.7932, 34.8255** is the 20% darker color. If you saturate the color by 10%, you get **45.0732, 58.8182, 65.8593**, and if you desaturate by 10%, it is **54.1084, 63.3802, 70.6116**.

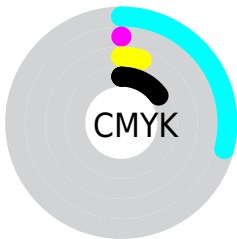
# Distribution



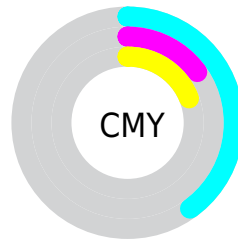
- Red (60%)
- Green (85%)
- Blue (81%)



- Red (60%)
- Yellow (74%)
- Blue (85%)



- Cyan (29%)
- Magenta (0%)
- Yellow (5%)
- Black (15%)




- Cyan (40%)
- Magenta (15%)
- Yellow (19%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 49.2122, 60.9030, 68.1932 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 49.2122, 60.9030, 68.1932 by changing the saturation by 10% instead.





 49.2122, 60.9030,  
68.1932


 49.2122, 60.9030,  
68.1932


374.0802,  
427.9183, 472.7969

 35.0031, 44.1469,  
49.5873


 88.2054, 106.1385,  
118.2853

 23.8318, 30.7860,  
34.7167


 113.7201,  
135.3866, 150.6086

 15.3329, 20.4360,  
23.1629


143.7341,  
169.5676, 188.3413

 9.1412, 12.7123,  
14.5074

178.6127,  
209.0657, 231.9022

 4.8913, 7.2308,  
8.3317

218.7212,  
254.2655, 281.7096

 2.2177, 3.6068,  
4.2171

264.4251,

 0.7520, 1.4562,

305.5512, 338.1822

1.7452

316.0897,  
363.3074, 401.7384

■ 0.0000, 0.2576,  
0.3914

■ 0.0000, 0.0000,  
0.0000

■ 49.2122, 60.9030,  
68.1932

■ 49.2122, 60.9030,  
68.1932

■ 45.0732, 58.8182,  
65.8593

■ 54.1084, 63.3802,  
70.6116

■ 41.6458, 57.0977,  
63.6037


■ 59.7940, 66.2618,  
73.1125


■ 38.8873, 55.7210,  
61.4252


■ 66.3057, 69.5682,  
75.6990


■ 36.7486, 54.6628,  
59.3214


■ 73.6762, 73.3163,  
78.3732


 35.1734, 53.8941,  
57.2893


 79.5029, 76.2674,  
81.0226


 34.0952, 53.3807,  
55.3255


 79.9675, 76.4533,  
83.4691

 33.4022, 53.0647,  
53.4245

 80.4413, 76.6428,  
85.9641

 33.3705, 53.0505,  
53.3295

 80.9244, 76.8360,  
88.5080

 81.4168, 77.0330,  
91.1011

# Harmonies

## Analogous

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



50.0246, 60.9030, 55.4774



49.2122, 60.9030, 68.1932



50.6170, 60.9030, 82.1401

# Triad

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



49.2122, 60.9030, 68.1932



63.1770, 60.9030, 90.5362



61.9904, 60.9030, 45.3867

# Complementary

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



49.2122, 60.9030, 68.1932



46.6195, 40.1802, 39.9512

# 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.



65.8206, 60.9030, 52.6619



49.2122, 60.9030, 68.1932



66.5317, 60.9030, 78.4749

# Square

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



49.2122, 60.9030, 68.1932



58.5393, 60.9030, 96.1128



67.5245, 60.9030, 64.4677



57.2385, 60.9030, 43.4134



# Rectangle

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



49.2122, 60.9030, 68.1932



52.6698, 60.9030, 89.9337



67.5245, 60.9030, 64.4677



63.4368, 60.9030, 47.2390

# Sweetspot

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



49.2139, 60.9055, 68.1946



86.5328, 95.6753, 105.5151



45.8056, 59.7852, 39.2636



18.2468, 20.3391, 22.4695



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

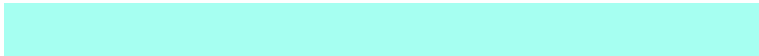


# Same Dimension

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



49.2139, 60.9055, 68.1946



67.3184, 85.9539, 96.3021



45.3279, 51.1138, 73.1254



13.3529, 14.7928, 16.3211



20.2321, 32.1255, 32.4511



1.3348, 2.0909, 2.2290



# Inverse Universe

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



46.6195, 40.1802, 39.9512



63.0383, 51.7246, 49.6805



49.5676, 47.4546, 36.6852



13.1386, 13.0845, 13.9911



17.5212, 9.0095, 1.8585

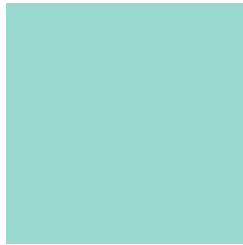


1.1615, 0.5942, 0.2595



# Previews

## White Background



This preview shows how the XYZ color 49.2122, 60.9030, 68.1932 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

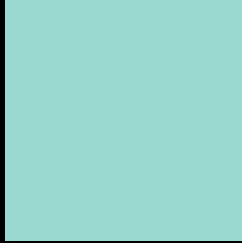
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 49.2122, 60.9030, 68.1932 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

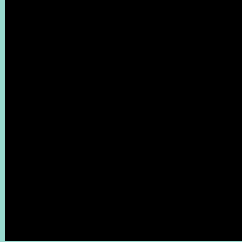
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

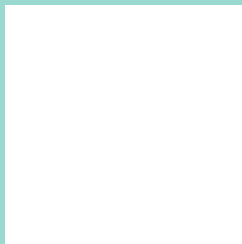
If you want to check with other color combinations, try the [Color Contrast Checker](#).

# XYZ 49.2122, 60.9030, 68.1932

## Background



This preview shows how black text looks on a background with the XYZ color 49.2122, 60.9030, 68.1932.



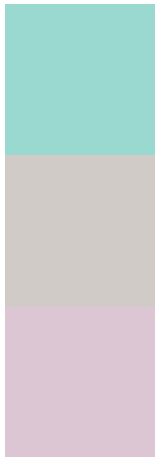
This preview shows how white text looks on a background with the XYZ color 49.2122, 60.9030,



# 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

49.2122, 60.9030, 68.1932

### Protanopia

57.9592, 60.3907, 62.6346

### Deuteranopia

61.7707, 60.4635, 70.0430



## Tritanopia

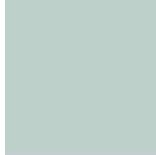
52.3186, 60.6271, 84.5460

# Trichromacy



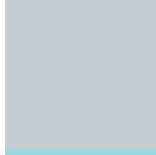
## Original Color

49.2122, 60.9030, 68.1932



## Protanomaly

54.2028, 60.1948, 64.6391



## Deuteranomaly

56.2291, 60.0515, 69.6003



## Tritanomaly

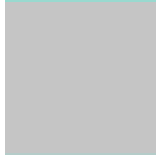
50.9417, 60.4350, 78.0874

# Monochromacy



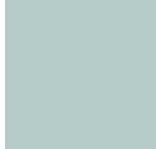
## Original Color

49.2122, 60.9030, 68.1932



## Achromatopsia

53.0703, 55.8340, 60.8033



## Achromatomaly

51.1915, 57.2265, 63.6061

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 49.2122, 60.9030, 68.1932 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(153, 217, 207)` looks like.

```
.text, #text, p{  
    color:rgb(153, 217, 207)  
}
```

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(153, 217, 207) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(153, 217, 207) }
```

## Border

The CSS property to change the border of an element to XYZ 49.2122, 60.9030, 68.1932 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(153, 217, 207) }
```



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

```
.border{ border-color:rgb(153, 217, 207) }
```

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

Here you see how a box with a 4 pixel `rgb(153, 217, 207)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(153, 217, 207); -webkit-box-  
shadow:4px 4px 4px 4px rgb(153, 217, 207);  
box-shadow:4px 4px 4px 4px rgb(153, 217,  
207) }
```

# Background

The CSS property to change the background color of an element to XYZ 49.2122, 60.9030, 68.1932 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(153, 217, 207) }
```

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

```
.background{ background-color: rgb(153,  
217, 207) }
```

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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