

Converting Colors

XYZ(48.9013, 60.3679, 67.8191)

Have a look what the booklet for
XYZ(48.9013, 60.3679, 67.8191)
contains.

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Color

**XYZ(48.9552, 60.3890,
68.1075)**

Conversions

Conversions Part 1

Format	Color
Hex	99D8CF
RGB	153, 216, 207
RGB Percent	60%, 85%, 81%
CMY	0.4000, 0.1529, 0.1882
CMYK	0.29, 0.00, 0.04, 0.15
HSL	171°, 45%, 72%
HSV	171°, 29%, 85%
XYZ	48.9552, 60.3890, 68.1075
YIQ	196.1370, -34.6590, -16.1550

Conversions

Conversions Part 2

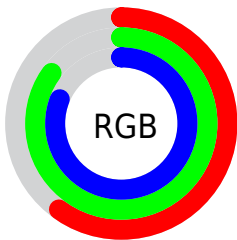
Format	Color
RYB	153, 187, 216
Decimal	10082511
CIELab	82.05, -21.83, -1.99
CIElCh	82, 21.921, 185.219
Yxy	60.3890, 0.2759, 0.3403
Android (android.graphics.Color)	4288272591 (0xFF99D8CF)
YUV	196.1370, 5.3555, -37.8311
Hunter-Lab	77.7104, -23.5435, 2.4339

Details

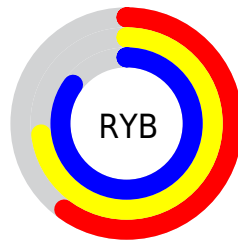
The XYZ color **48.9552, 60.3890, 68.1075** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **46.2338, 39.9917, 39.4672**, and the grayscale version is **52.5367, 55.2727, 60.1919**.

A 20% lighter version of the original color is **80.1045, 92.2953, 108.2006**, and **23.7502, 30.4990, 34.7721** is the 20% darker color. If you saturate the color by 10%, you get **44.8683, 58.3268, 65.9667**, and if you desaturate by 10%, it is **53.7910, 62.8394, 70.3245**.

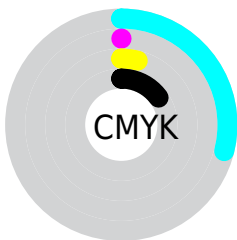
Distribution



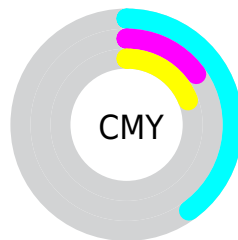
- Red (60%)
- Green (85%)
- Blue (81%)



- Red (60%)
- Yellow (73%)
- Blue (85%)



- Cyan (29%)
- Magenta (0%)
- Yellow (4%)
- Black (15%)





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

Brightness & Saturation Gradients


These gradients show how the XYZ color 48.9552, 60.3890, 68.1075 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 48.9552, 60.3890, 68.1075 by changing the saturation by 10% instead.


 48.9552, 60.3890,
68.1075


 48.9552, 60.3890,
68.1075


373.0858,
426.0301, 472.4852

 34.7983, 43.7323,
49.5180


 87.8260, 105.3938,
118.1616

 23.6734, 30.4601,
34.6620


 113.2707,
134.5106, 150.4632

 15.2149, 20.1881,
23.1212


143.2087,
168.5495, 188.1726

 9.0577, 12.5318,
14.4769

178.0054,
207.8950, 231.7083

 4.8362, 7.1070,
8.3106

218.0260,
252.9314, 281.4889

 2.1853, 3.5291,
4.2037

263.6361,

 0.7349, 1.4138,

304.0431, 337.9329

1.7377

315.2009,
361.6146, 401.4588

■ 0.0000, 0.2269,
0.3864

■ 0.0000, 0.0000,
0.0000

■ 48.9552, 60.3890,
68.1075

■ 48.9552, 60.3890,
68.1075

■ 44.8683, 58.3268,
65.9667

■ 53.7910, 62.8394,
70.3245

■ 41.4851, 56.6251,
63.8958

■ 59.4072, 65.6899,
72.6154

■ 38.7638, 55.2637,
61.8940

■ 65.8402, 68.9604,
74.9835

■ 36.6558, 54.2176,
59.9587

■ 73.1222, 72.6678,
77.4305

■ 35.1058, 53.4584,
58.0872

■ 79.0400, 75.6711,
79.8530

■ 34.0487, 52.9524,
56.2762

■ 79.4587, 75.8385,
82.0577

■ 33.3782, 52.6450,
54.5204

■ 79.8850, 76.0091,
84.3026

■ 33.3285, 52.6225,
54.3761

■ 80.3190, 76.1826,
86.5878

■ 80.7606, 76.3593,
88.9135

Harmonies

Analogous

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



49.6650, 60.3890, 55.6042



48.9552, 60.3890, 68.1075



50.4063, 60.3890, 81.6350

Triad

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



48.9552, 60.3890, 68.1075



62.7042, 60.3890, 88.9416



61.2235, 60.3890, 45.1570

Complementary

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



48.9552, 60.3890, 68.1075



46.2338, 39.9917, 39.4672

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.



65.0079, 60.3890, 52.0778



48.9552, 60.3890, 68.1075



65.8946, 60.3890, 77.0679

Square

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



48.9552, 60.3890, 68.1075



58.2142, 60.3890, 94.6566



66.7595, 60.3890, 63.4541



56.5894, 60.3890, 43.4286

Rectangle

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



48.9552, 60.3890, 68.1075



52.4524, 60.3890, 89.0787



66.7595, 60.3890, 63.4541



62.6449, 60.3890, 46.9029

Sweetspot

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



48.9569, 60.3914, 68.1089



86.5814, 95.6947, 105.7711



45.2993, 59.1427, 39.1663



18.2589, 20.3439, 22.5330



0.0000, 0.0000, 0.0000



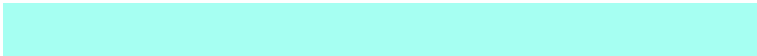
20.3446, 21.4041, 23.3091

Same Dimension

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



48.9569, 60.3914, 68.1089



67.4976, 86.0256, 97.2459



44.8140, 50.2935, 72.3142



12.7123, 14.0759, 15.5655



19.7569, 31.1581, 32.3453



1.2130, 1.8879, 2.0636

Inverse Universe

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



46.2338, 39.9917, 39.4672



62.9173, 51.6762, 49.0433



49.4104, 47.5802, 36.7178



12.4948, 12.4494, 13.2800



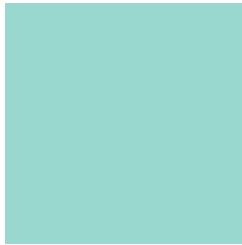
16.9311, 8.7088, 1.6755



1.0449, 0.5348, 0.2260

Previews

White Background



This preview shows how the XYZ color 48.9552, 60.3890, 68.1075 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 48.9552, 60.3890, 68.1075 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

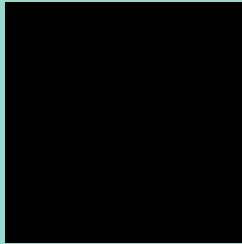
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

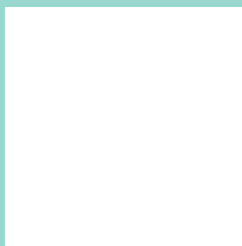
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 48.9552, 60.3890, 68.1075

Background



This preview shows how black text looks on a background with the XYZ color 48.9552, 60.3890, 68.1075.



This preview shows how white text looks on a background with the XYZ color 48.9552, 60.3890,

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

48.9552, 60.3890, 68.1075

Protanopia

57.4418, 59.7745, 62.5430

Deuteranopia

60.9375, 59.6957, 69.9387



Tritanopia

52.1777, 60.5708, 83.8042

Trichromacy



Original Color

48.9552, 60.3890, 68.1075

Protanomaly

53.7125, 59.5813, 64.5465

Deuteranomaly

55.7314, 59.4410, 69.5087

Tritanomaly

50.9417, 60.4350, 78.0874

Monochromacy



Original Color

48.9552, 60.3890, 68.1075

Achromatopsia

52.4687, 55.2011, 60.1140

Achromatomaly

50.6037, 56.5853, 62.8985

CSS Examples

Text

The CSS property to change the color of the text to XYZ 48.9552, 60.3890, 68.1075 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, 216, 207)` looks like.

```
.text, #text, p{  
    color:rgb(153, 216, 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, 216, 207) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(153, 216, 207) }
```

Border

The CSS property to change the border of an element to XYZ 48.9552, 60.3890, 68.1075 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, 216, 207) }
```


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

```
.border{ border-color:rgb(153, 216, 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, 216, 207) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(153, 216, 207); -webkit-box-  
shadow:4px 4px 4px 4px rgb(153, 216, 207);  
box-shadow:4px 4px 4px 4px rgb(153, 216,  
207) }
```

Background

The CSS property to change the background color of an element to XYZ 48.9552, 60.3890, 68.1075 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(153, 216, 207) }
```

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

```
.background{ background-color: rgb(153,  
216, 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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