

Converting Colors

XYZ(48.9911, 56.4528, 64.8172)

Have a look what the booklet for
XYZ(48.9911, 56.4528, 64.8172)
contains.

XYZ(48.9730, 56.4095, 64.8069)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(48.9730, 56.4095,
64.8069)**

Conversions

Conversions Part 1

Format	Color
Hex	A9CDCB
RGB	169, 205, 203
RGB Percent	66%, 80%, 80%
CMY	0.3372, 0.1961, 0.2039
CMYK	0.18, 0.00, 0.01, 0.20
HSL	177°, 26%, 73%
HSV	177°, 18%, 80%
XYZ	48.9730, 56.4095, 64.8069
YIQ	194.0080, -20.8140, -8.2540

Conversions

Conversions Part 2

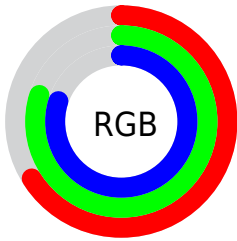
Format	Color
RYB	169, 188, 205
Decimal	11128267
CIELab	79.85, -12.29, -2.98
CIElCh	80, 12.643, 193.647
Yxy	56.4095, 0.2878, 0.3315
Android (android.graphics.Color)	4289318347 (0xFFA9CDCB)
YUV	194.0080, 4.4331, -21.9320
Hunter-Lab	75.1063, -15.0451, 1.4148

Details

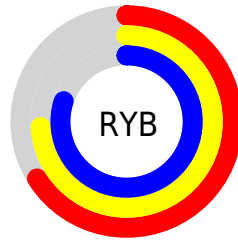
The XYZ color **48.9730, 56.4095, 64.8069** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **46.7175, 44.2968, 44.6183**, and the grayscale version is **51.2677, 53.9376, 58.7380**.

A 20% lighter version of the original color is **84.8613, 94.7476, 108.4232**, and **23.6939, 28.0161, 32.5926** is the 20% darker color. If you saturate the color by 10%, you get **44.7802, 54.2652, 63.9049**, and if you desaturate by 10%, it is **53.8596, 58.9144, 65.7490**.

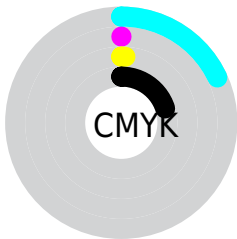
Distribution



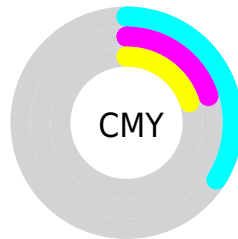
- Red (66%)
- Green (80%)
- Blue (80%)



- Red (66%)
- Yellow (74%)
- Blue (80%)



- Cyan (18%)
- Magenta (0%)
- Yellow (1%)
- Black (20%)





- Cyan (34%)
- Magenta (20%)
- Yellow (20%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 48.9730, 56.4095, 64.8069 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 48.9730, 56.4095, 64.8069 by changing the saturation by 10% instead.


 48.9730, 56.4095,
64.8069


 48.9730, 56.4095,
64.8069


373.1547,
411.2329, 460.3849

 34.8125, 40.5313,
46.8542


 87.8523, 99.6031,
113.3828

 23.6843, 27.9531,
32.5669


 113.3018,
127.6872, 144.8431

 15.2231, 18.2903,
21.5264


143.2451,
160.6089, 181.6429

 9.0634, 11.1586,
13.3144

178.0475,
198.7524, 224.2009

 4.8400, 6.1736,
7.5121

218.0742,
242.5022, 272.9356

 2.1875, 2.9509,
3.7011

263.6908,

 0.7361, 1.1062,

292.2426, 328.2654

1.4629

315.2625,
348.3580, 390.6090

■ 0.0000, 0.0000,
0.1900

■ 0.0000, 0.0000,
0.0000

■ 48.9730, 56.4095,
64.8069

■ 48.9730, 56.4095,
64.8069

■ 44.7802, 54.2652,
63.9049

■ 53.8596, 58.9144,
65.7490

■ 41.2444, 52.4579,
63.0377

■ 59.4651, 61.7882,
66.7287

■ 38.3324, 50.9722,
62.2049

■ 65.8193, 65.0479,
67.7487

■ 36.0067, 49.7885,
61.4047

■ 72.9488, 68.7072,
68.8103

■ 34.2253, 48.8854,
60.6351

■ 74.5444, 69.5135,
69.6181

■ 32.9409, 48.2383,
59.8940

■ 74.6858, 69.5701,
70.3632

■ 32.0980, 47.8188,
59.1787

■ 74.8283, 69.6271,
71.1136

■ 31.6188, 47.5865,
58.4855

■ 74.9719, 69.6845,
71.8693

■ 31.5250, 47.5418,
58.3184

■ 75.1164, 69.7423,
72.6304

Harmonies

Analogous

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



49.0297, 56.4095, 57.5361



48.9730, 56.4095, 64.8069



50.1320, 56.4095, 71.6734

Triad

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



48.9730, 56.4095, 64.8069



57.0853, 56.4095, 72.1963



55.0134, 56.4095, 48.8621

Complementary

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



48.9730, 56.4095, 64.8069



46.7175, 44.2968, 44.6183

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.



57.2568, 56.4095, 52.1950



48.9730, 56.4095, 64.8069



58.4788, 56.4095, 65.4756

Square

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



48.9730, 56.4095, 64.8069



54.7853, 56.4095, 76.1633



58.5426, 56.4095, 58.1539



52.4625, 56.4095, 48.7144

Rectangle

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



48.9730, 56.4095, 64.8069



51.4601, 56.4095, 74.9384



58.5426, 56.4095, 58.1539



55.8304, 56.4095, 49.6344

Sweetspot

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



48.9746, 56.4118, 64.8082



90.3998, 97.6159, 108.0874



45.8763, 55.2325, 45.7800



19.2147, 20.8248, 23.1110



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.



48.9746, 56.4118, 64.8082



77.5426, 91.0296, 105.5963



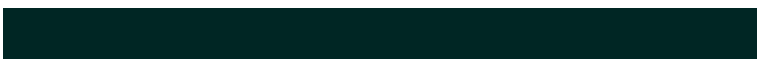
45.6670, 49.4122, 64.8910



11.5153, 12.7159, 14.2708



19.6365, 29.5999, 36.3662



1.0214, 1.5304, 1.9204

Inverse Universe

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



46.7175, 44.2968, 44.6183



73.1823, 67.6237, 66.5925



49.6057, 50.3764, 44.6462



11.2372, 11.2236, 11.7837



15.7240, 8.1002, 0.9995



0.8202, 0.4215, 0.0992

Previews

White Background



This preview shows how the XYZ color 48.9730, 56.4095, 64.8069 looks on a white background.

Color Contrast Check

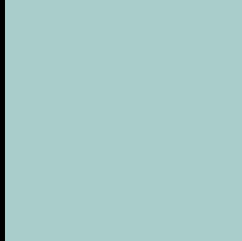
Large Text (above 18pt) WCAG AA × Fail

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 48.9730, 56.4095, 64.8069 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

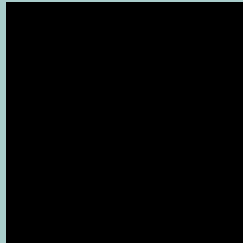
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 48.9730, 56.4095, 64.8069

Background



This preview shows how black text looks on a background with the XYZ color 48.9730, 56.4095, 64.8069.



This preview shows how white text looks on a background with the XYZ color 48.9730, 56.4095,

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

48.9730, 56.4095, 64.8069

Protanopia

54.0204, 55.9746, 61.3831

Deuteranopia

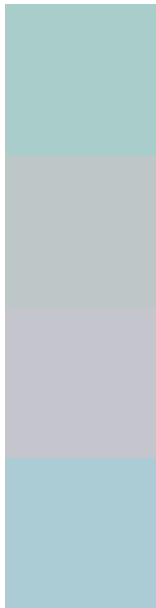
57.4308, 56.3016, 66.2329



Tritanopia

51.1554, 56.5970, 75.2460

Trichromacy



Original Color

48.9730, 56.4095, 64.8069

Protanomaly

51.8350, 55.8358, 62.6890

Deuteranomaly

54.0117, 56.2106, 65.7606

Tritanomaly

50.3977, 56.6478, 71.2287

Monochromacy



Original Color

48.9730, 56.4095, 64.8069

Achromatopsia

51.2775, 53.9479, 58.7493

Achromatomaly

50.2797, 54.7337, 60.7380

CSS Examples

Text

The CSS property to change the color of the text to XYZ 48.9730, 56.4095, 64.8069 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, 205, 203)` looks like.

```
.text, #text, p{  
    color:rgb(169, 205, 203)  
}
```

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, 205, 203) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(169, 205, 203) }
```

Border

The CSS property to change the border of an element to XYZ 48.9730, 56.4095, 64.8069 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, 205, 203) }
```


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

```
.border{ border-color:rgb(169, 205, 203) }
```

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

Here you see how a box with a 4 pixel `rgb(169, 205, 203)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(169, 205, 203); -webkit-box-  
shadow:4px 4px 4px 4px rgb(169, 205, 203);  
box-shadow:4px 4px 4px 4px rgb(169, 205,  
203) }
```

Background

The CSS property to change the background color of an element to XYZ 48.9730, 56.4095, 64.8069 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(169, 205, 203) }
```

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

```
.background{ background-color: rgb(169,  
205, 203) }
```

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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