

Converting Colors

XYZ(48.2293, 56.2223, 70.5342)

Have a look what the booklet for
XYZ(48.2293, 56.2223, 70.5342)
contains.

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Color

**XYZ(48.2530, 56.2670,
70.6048)**

Conversions

Conversions Part 1

Format	Color
Hex	9FCED4
RGB	159, 206, 212
RGB Percent	62%, 81%, 83%
CMY	0.3765, 0.1921, 0.1686
CMYK	0.25, 0.03, 0.00, 0.17
HSL	187°, 38%, 73%
HSV	187°, 25%, 83%
XYZ	48.2530, 56.2670, 70.6048
YIQ	192.6310, -29.9380, -8.0980

Conversions

Conversions Part 2

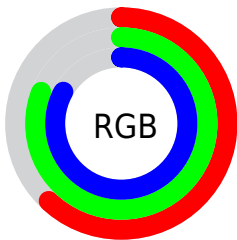
Format	Color
RYB	159, 184, 212
Decimal	10473172
CIELab	79.77, -13.91, -8.00
CIELCh	80, 16.046, 209.891
Yxy	56.2670, 0.2755, 0.3213
Android (android.graphics.Color)	4288663252 (0xFF9FCED4)
YUV	192.6310, 9.5489, -29.4944
Hunter-Lab	75.0113, -16.4450, -3.2991

Details

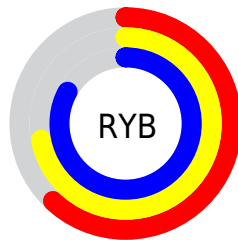
The XYZ color **48.2530, 56.2670, 70.6048** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **46.8651, 43.4107, 38.7110**, and the grayscale version is **50.4317, 53.0580, 57.7802**.

A 20% lighter version of the original color is **81.8343, 93.1871, 108.2815**, and **23.2579, 27.9550, 36.0683** is the 20% darker color. If you saturate the color by 10%, you get **43.8315, 53.1382, 70.2348**, and if you desaturate by 10%, it is **53.4077, 59.7897, 71.0140**.

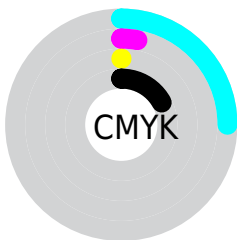
Distribution



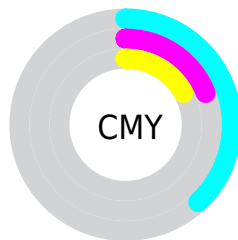
- Red (62%)
- Green (81%)
- Blue (83%)



- Red (62%)
- Yellow (72%)
- Blue (83%)



- Cyan (25%)
- Magenta (3%)
- Yellow (0%)
- Black (17%)



- Cyan (38%)
- Magenta (19%)
- Yellow (17%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 48.2530, 56.2670, 70.6048 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 48.2530, 56.2670, 70.6048 by changing the saturation by 10% instead.

■ 48.2530, 56.2670,
70.6048

■ 48.2530, 56.2670,
70.6048

370.3600,
410.6969, 481.5171

■ 34.2394, 40.4170,
51.5399

■ 86.7884, 99.3949,
121.7600

■ 23.2413, 27.8639,
36.2588

■ 112.0409,
127.4415, 154.6874

■ 14.8935, 18.2231,
24.3428

141.7703,
160.3226, 193.0728

■ 8.8305, 11.1102,
15.3736

176.3422,
198.4224, 237.3346

■ 4.6870, 6.1410,
8.9325

216.1217,
242.1253, 287.8913

■ 2.0977, 2.9310,
4.6009

261.4742,

■ 0.6879, 1.0958,

291.8158, 345.1617

1.9605

312.7652,
347.8782, 409.5641

■ 0.0000, 0.0000,
0.5308

■ 0.0000, 0.0000,
0.0000

■ 48.2530, 56.2670,
70.6048

■ 48.2530, 56.2670,
70.6048

■ 43.8315, 53.1382,
70.2348

■ 53.4077, 59.7897,
71.0140

■ 40.1013, 50.3774,
69.8986

■ 59.3247, 63.7172,
71.4602

■ 37.0241, 47.9661,
69.5953

■ 66.0379, 68.0682,
71.9462

■ 34.5555, 45.8816,
69.3231

■ 73.5772, 72.8584,
72.4735

■ 32.6459, 44.0981,
69.0795

■ 78.1950, 76.1559,
72.8665

■ 31.2375, 42.5857,
68.8618

■ 78.8217, 77.4092,
73.0754

■ 30.2597, 41.3081,
68.6667

■ 79.4573, 78.6805,
73.2873

■ 29.8695, 40.7249,
68.5747

■ 80.1021, 79.9701,
73.5022

■ 80.7560, 81.2778,
73.7202

Harmonies

Analogous

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



47.4825, 56.2670, 61.2311



48.2530, 56.2670, 70.6048



50.4119, 56.2670, 78.0527

Triad

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



48.2530, 56.2670, 70.6048



59.0590, 56.2670, 70.6697



53.4920, 56.2670, 45.0828

Complementary

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



48.2530, 56.2670, 70.6048



46.8651, 43.4107, 38.7110

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.



56.6703, 56.2670, 47.0759



48.2530, 56.2670, 70.6048



59.9626, 56.2670, 61.2993

Square

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



48.2530, 56.2670, 70.6048



56.6489, 56.2670, 78.0927



59.0717, 56.2670, 52.7878



50.4318, 56.2670, 47.0473

Rectangle

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



48.2530, 56.2670, 70.6048



52.3928, 56.2670, 80.5861



59.0717, 56.2670, 52.7878



54.5823, 56.2670, 45.3092

Sweetspot

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



48.2547, 56.2693, 70.6061



88.1442, 95.4884, 108.3931



44.5705, 57.1501, 43.9472



18.7451, 20.3584, 23.1915



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.



48.2547, 56.2693, 70.6061



69.5853, 82.8648, 106.9347



42.5444, 44.8488, 68.7027



12.6666, 13.8567, 15.9445



18.4863, 25.2345, 42.3496



1.1499, 1.5918, 2.5660

Inverse Universe

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



50.6914, 43.2507, 64.0716



73.9474, 59.9751, 95.1442



51.9976, 53.6757, 40.4218



12.8897, 12.6074, 15.3593



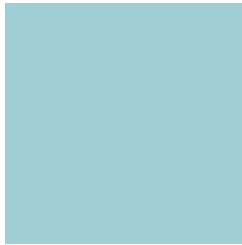
22.3899, 10.8923, 30.4210



1.3681, 0.6640, 1.9276

Previews

White Background



This preview shows how the XYZ color 48.2530, 56.2670, 70.6048 looks on a white background.

Color Contrast Check

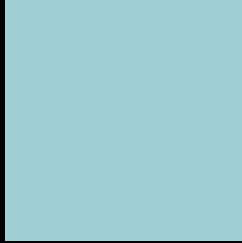
Large Text (above 18pt) WCAG AA × Fail

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 48.2530, 56.2670, 70.6048 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

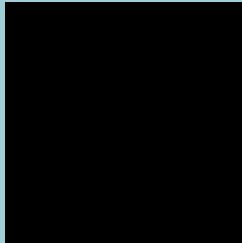
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 48.2530, 56.2670, 70.6048

Background



This preview shows how black text looks on a background with the XYZ color 48.2530, 56.2670, 70.6048.

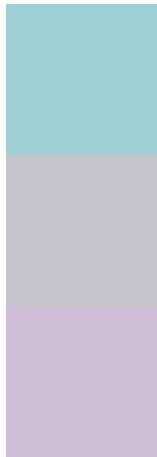


This preview shows how white text looks on a background with the XYZ color 48.2530, 56.2670,

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

48.2530, 56.2670, 70.6048

Protanopia

54.1692, 55.9419, 66.3354

Deuteranopia

57.1278, 56.0155, 72.0911



Tritanopia

49.5804, 56.4602, 76.6913

Trichromacy



Original Color

48.2530, 56.2670, 70.6048

Protanomaly

51.8066, 56.0530, 67.7633

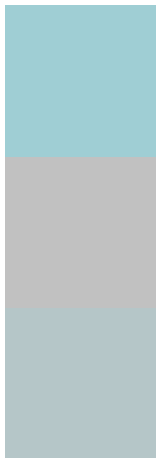
Deuteranomaly

53.3391, 55.7347, 71.5649

Tritanomaly

48.9834, 56.1982, 74.5953

Monochromacy



Original Color

48.2530, 56.2670, 70.6048

Achromatopsia

50.6879, 53.3276, 58.0738

Achromatomaly

49.6755, 54.3821, 62.5222

CSS Examples

Text

The CSS property to change the color of the text to XYZ 48.2530, 56.2670, 70.6048 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(159, 206, 212)` looks like.

```
.text, #text, p{  
    color:rgb(159, 206, 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(159, 206, 212) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(159, 206, 212) }
```

Border

The CSS property to change the border of an element to XYZ 48.2530, 56.2670, 70.6048 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(159, 206, 212) }
```


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

```
.border{ border-color:rgb(159, 206, 212) }
```

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

Here you see how a box with a 4 pixel `rgb(159, 206, 212)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(159, 206, 212); -webkit-box-  
shadow:4px 4px 4px 4px rgb(159, 206, 212);  
box-shadow:4px 4px 4px 4px rgb(159, 206,  
212) }
```

Background

The CSS property to change the background color of an element to XYZ 48.2530, 56.2670, 70.6048 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(159, 206, 212) }
```

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

```
.background{ background-color: rgb(159,  
206, 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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