

Converting Colors

XYZ(48.1024, 56.4237, 69.5101)

Have a look what the booklet for
XYZ(48.1024, 56.4237, 69.5101)
contains.

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Color

**XYZ(48.2438, 56.6497,
69.3645)**

Conversions

Conversions Part 1

Format	Color
Hex	9FCFD2
RGB	159, 207, 210
RGB Percent	62%, 81%, 82%
CMY	0.3765, 0.1882, 0.1765
CMYK	0.24, 0.01, 0.00, 0.18
HSL	184°, 36%, 72%
HSV	184°, 24%, 82%
XYZ	48.2438, 56.6497, 69.3645
YIQ	192.9900, -29.5710, -9.2430

Conversions

Conversions Part 2

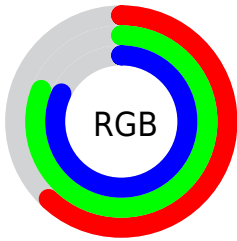
Format	Color
R_{YB}	159, 184, 210
Decimal	10473426
CIE _{Lab}	79.98, -14.87, -6.60
CIE _{LCh}	80, 16.271, 203.944
Yxy	56.6497, 0.2769, 0.3251
Android (android.graphics.Color)	4288663506 (0xFF9FCFD2)
YUV	192.9900, 8.3859, -29.8092
Hunter-Lab	75.2660, -17.3010, -1.9550

Details

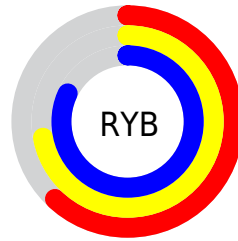
The XYZ color **48.2438, 56.6497, 69.3645** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **45.7574, 42.0459, 38.5062**, and the grayscale version is **50.6488, 53.2864, 58.0289**.

A 20% lighter version of the original color is **81.8343, 93.1871, 108.2815**, and **23.3358, 28.2469, 35.6748** is the 20% darker color. If you saturate the color by 10%, you get **44.1306, 54.0885, 69.0879**, and if you desaturate by 10%, it is **53.0701, 59.5849, 69.6776**.

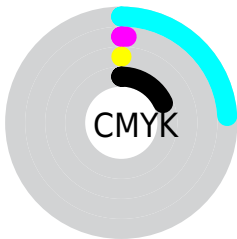
Distribution



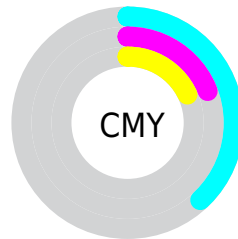
- Red (62%)
- Green (81%)
- Blue (82%)



- Red (62%)
- Yellow (72%)
- Blue (82%)



- Cyan (24%)
- Magenta (1%)
- Yellow (0%)
- Black (18%)



- Cyan (38%)
- Magenta (19%)
- Yellow (18%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 48.2438, 56.6497, 69.3645 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 48.2438, 56.6497, 69.3645 by changing the saturation by 10% instead.

■ 48.2438, 56.6497,
69.3645

■ 48.2438, 56.6497,
69.3645

370.3242,
412.1354, 477.0442

■ 34.2321, 40.7241,
50.5350

■ 86.7748, 99.9539,
119.9746

■ 23.2357, 28.1035,
35.4645

■ 112.0247,
128.1012, 152.5924

■ 14.8893, 18.4037,
23.7345

141.7515,
161.0912, 190.6433

■ 8.8275, 11.2402,
14.9264

176.3203,
199.3083, 234.5459

■ 4.6851, 6.2287,
8.6217

216.0967,
243.1369, 284.7187

■ 2.0965, 2.9846,
4.4019

261.4459,

■ 0.6873, 1.1237,

292.9613, 341.5804

1.8483

312.7333,
349.1660, 405.5494

■ 0.0000, 0.0000,
0.4595

■ 0.0000, 0.0000,
0.0000

■ 48.2438, 56.6497,
69.3645

■ 48.2438, 56.6497,
69.3645

■ 44.1306, 54.0885,
69.0879

■ 53.0701, 59.5849,
69.6776

■ 40.6898, 51.8760,
68.8422

■ 58.6378, 62.9043,
70.0249

■ 37.8843, 49.9944,
68.6268

■ 64.9797, 66.6263,
70.4090

■ 35.6711, 48.4216,
68.4399

■ 72.1251, 70.7660,
70.8315

■ 34.0021, 47.1328,
68.2791

■ 76.7114, 73.5900,
71.1348

■ 32.8217, 46.0993,
68.1418

■ 77.0234, 74.2140,
71.2388

■ 32.0621, 45.2862,
68.0249

■ 77.3378, 74.8427,
71.3436

■ 31.7492, 44.8855,
67.9641

■ 77.6545, 75.4761,
71.4492

■ 77.9736, 76.1144,
71.5556

Harmonies

Analogous

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



47.7702, 56.6497, 59.7822



48.2438, 56.6497, 69.3645



50.1905, 56.6497, 77.5912

Triad

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



48.2438, 56.6497, 69.3645



59.1449, 56.6497, 73.0224



54.5169, 56.6497, 45.3004

Complementary

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



48.2438, 56.6497, 69.3645



45.7574, 42.0459, 38.5062

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.



57.6703, 56.6497, 48.1110



48.2438, 56.6497, 69.3645



60.4116, 56.6497, 63.6214

Square

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



48.2438, 56.6497, 69.3645



56.4635, 56.6497, 79.8496



59.8613, 56.6497, 54.5886



51.3065, 56.6497, 46.5028

Rectangle

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



48.2438, 56.6497, 69.3645



52.1058, 56.6497, 80.8707



59.8613, 56.6497, 54.5886



55.6201, 56.6497, 45.7973

Sweetspot

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



48.2455, 56.6520, 69.3658



88.4514, 96.1028, 108.4956



43.8275, 56.0578, 42.4847



18.8165, 20.5012, 23.2153



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.



48.2455, 56.6520, 69.3658



71.5068, 85.8279, 107.4054



42.6498, 45.4608, 67.5006



12.0964, 13.2831, 15.1700



19.3925, 27.4316, 41.4652



1.1028, 1.5708, 2.3246

Inverse Universe

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



50.2403, 43.0043, 64.6867



75.1321, 61.2713, 98.8474



50.6184, 51.7679, 40.1265



12.2795, 11.9966, 14.7479



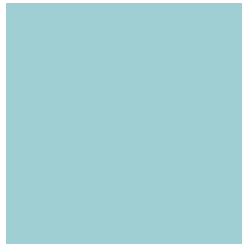
22.4192, 10.8405, 33.4431



1.2629, 0.6099, 1.9191

Previews

White Background



This preview shows how the XYZ color 48.2438, 56.6497, 69.3645 looks on a white background.

Color Contrast Check

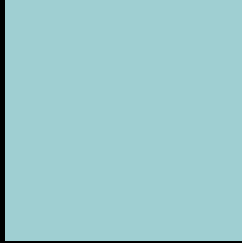
Large Text (above 18pt) WCAG AA × Fail

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 48.2438, 56.6497, 69.3645 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

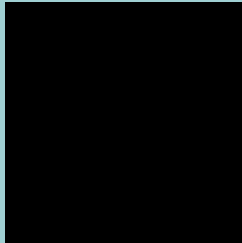
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

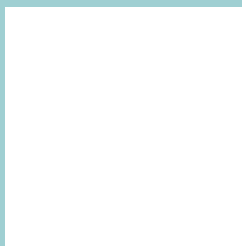
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 48.2438, 56.6497, 69.3645

Background



This preview shows how black text looks on a background with the XYZ color 48.2438, 56.6497, 69.3645.



This preview shows how white text looks on a background with the XYZ color 48.2438, 56.6497,

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

48.2438, 56.6497, 69.3645

Protanopia

54.4185, 56.4343, 65.1515

Deuteranopia

57.4382, 56.2050, 70.7721



Tritanopia

49.7141, 56.5136, 77.3953

Trichromacy



Original Color

48.2438, 56.6497, 69.3645

Protanomaly

51.7944, 56.4199, 66.5528

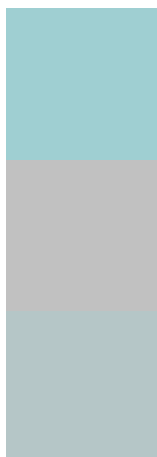
Deuteranomaly

53.3358, 55.7623, 70.2395

Tritanomaly

49.2234, 56.6782, 74.6753

Monochromacy



Original Color

48.2438, 56.6497, 69.3645

Achromatopsia

50.6879, 53.3276, 58.0738

Achromatomaly

49.5589, 54.3354, 61.9086

CSS Examples

Text

The CSS property to change the color of the text to XYZ 48.2438, 56.6497, 69.3645 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, 207, 210)` looks like.

```
.text, #text, p{  
    color:rgb(159, 207, 210)  
}
```

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, 207, 210) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(159, 207, 210) }
```

Border

The CSS property to change the border of an element to XYZ 48.2438, 56.6497, 69.3645 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, 207, 210) }
```


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

```
.border{ border-color:rgb(159, 207, 210) }
```

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

Here you see how a box with a 4 pixel `rgb(159, 207, 210)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(159, 207, 210); -webkit-box-  
shadow:4px 4px 4px 4px rgb(159, 207, 210);  
box-shadow:4px 4px 4px 4px rgb(159, 207,  
210) }
```

Background

The CSS property to change the background color of an element to XYZ 48.2438, 56.6497, 69.3645 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(159, 207, 210) }
```

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

```
.background{ background-color: rgb(159,  
207, 210) }
```

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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