

Converting Colors

XYZ(47.8892, 56.6813, 70.9237)

Have a look what the booklet for
XYZ(47.8892, 56.6813, 70.9237)
contains.

XYZ(47.9571, 56.8338, 70.7298)	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(47.9571, 56.8338,
70.7298)**

Conversions

Conversions Part 1

Format	Color
Hex	9BD0D4
RGB	155, 208, 212
RGB Percent	61%, 82%, 83%
CMY	0.3921, 0.1843, 0.1686
CMYK	0.27, 0.02, 0.00, 0.17
HSL	184°, 40%, 72%
HSV	184°, 27%, 83%
XYZ	47.9571, 56.8338, 70.7298
YIQ	192.6090, -32.8720, -9.9920

Conversions

Conversions Part 2

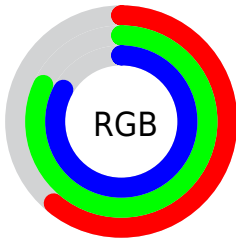
Format	Color
RYB	155, 182, 212
Decimal	10211540
CIELab	80.09, -16.11, -7.55
CIELCh	80, 17.790, 205.099
Yxy	56.8338, 0.2732, 0.3238
Android (android.graphics.Color)	4288401620 (0xFF9BD0D4)
YUV	192.6090, 9.5598, -32.9831
Hunter-Lab	75.3882, -18.3792, -2.8546

Details

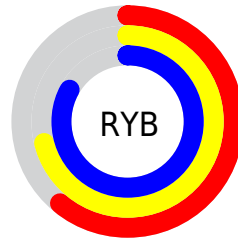
The XYZ color **47.9571, 56.8338, 70.7298** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **45.4665, 41.1602, 36.5598**, and the grayscale version is **50.4200, 53.0458, 57.7668**.

A 20% lighter version of the original color is **80.6740, 92.5889, 108.2272**, and **23.1209, 28.3703, 36.1557** is the 20% darker color. If you saturate the color by 10%, you get **43.8799, 54.1977, 70.4368**, and if you desaturate by 10%, it is **52.7553, 59.8495, 71.0599**.

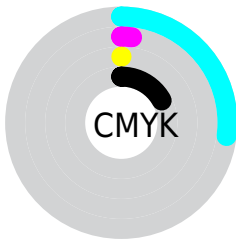
Distribution



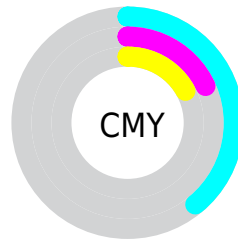
- Red (61%)
- Green (82%)
- Blue (83%)



- Red (61%)
- Yellow (71%)
- Blue (83%)



- Cyan (27%)
- Magenta (2%)
- Yellow (0%)
- Black (17%)





- Cyan (39%)
- Magenta (18%)
- Yellow (17%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 47.9571, 56.8338, 70.7298 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 47.9571, 56.8338, 70.7298 by changing the saturation by 10% instead.


 47.9571, 56.8338,
70.7298


 47.9571, 56.8338,
70.7298

369.2075,
412.8262, 481.9665

 34.0040, 40.8718,
51.6412


 86.3506, 100.2226,
121.9398

 23.0596, 28.2189,
36.3389


 111.5218,
128.4183, 154.8983

 14.7585, 18.4908,
24.4043


141.1630,
161.4606, 193.3172

 8.7352, 11.3029,
15.4188

175.6396,
199.7340, 237.6150

 4.6246, 6.2710,
8.9640

215.3170,
243.6229, 288.2103

 2.0612, 3.0105,
4.6212

260.5606,

 0.6680, 1.1372,

293.5116, 345.5216

1.9720

311.7356,
349.7846, 409.9675

■ 0.0000, 0.0095,
0.5380

■ 0.0000, 0.0000,
0.0000

■ 47.9571, 56.8338,
70.7298

■ 47.9571, 56.8338,
70.7298

■ 43.8799, 54.1977,
70.4368

■ 52.7553, 59.8495,
71.0599

■ 40.4815, 51.9152,
70.1754

■ 58.3042, 63.2557,
71.4250

■ 37.7226, 49.9673,
69.9448

■ 64.6377, 67.0716,
71.8277

■ 35.5581, 48.3309,
69.7430

■ 71.7864, 71.3128,
72.2695

■ 33.9371, 46.9797,
69.5676

■ 77.5360, 74.8378,
72.6469

■ 32.7999, 45.8828,
69.4159

■ 77.9173, 75.6005,
72.7740

■ 32.0685, 45.0001,
69.2840

■ 78.3021, 76.3701,
72.9023

■ 31.8805, 44.7467,
69.2450

■ 78.6904, 77.1466,
73.0317

■ 79.0821, 77.9301,
73.1623

Harmonies

Analogous

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



47.3758, 56.8338, 60.1947



47.9571, 56.8338, 70.7298



50.1331, 56.8338, 79.7148

Triad

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



47.9571, 56.8338, 70.7298



59.9313, 56.8338, 74.0041



54.6157, 56.8338, 44.0688

Complementary

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



47.9571, 56.8338, 70.7298



45.4665, 41.1602, 36.5598

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.



58.1003, 56.8338, 46.9299



47.9571, 56.8338, 70.7298



61.2555, 56.8338, 63.6013

Square

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



47.9571, 56.8338, 70.7298



57.0257, 56.8338, 81.7484



60.5710, 56.8338, 53.8053



51.1196, 56.8338, 45.5276

Rectangle

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



47.9571, 56.8338, 70.7298



52.2485, 56.8338, 83.2162



60.5710, 56.8338, 53.8053



55.8287, 56.8338, 44.5470

Sweetspot

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



47.9588, 56.8361, 70.7311



87.4843, 95.4247, 108.4156



43.3028, 56.5529, 41.3446



18.4394, 20.2504, 23.1868



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.



47.9588, 56.8361, 70.7311



69.3336, 84.0728, 107.1812



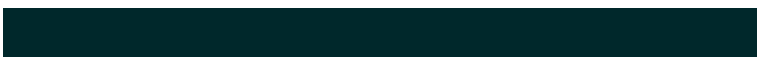
41.6631, 44.2447, 68.6325



12.7142, 13.9518, 15.9604



19.7119, 27.6855, 42.7581



1.2118, 1.7156, 2.5866

Inverse Universe

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



50.2592, 41.9951, 65.1340



73.4026, 58.1577, 97.2063



50.9029, 52.0328, 38.3719



12.9137, 12.6170, 15.4857



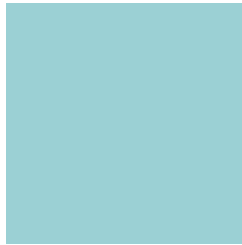
23.0085, 11.1397, 33.6784



1.3993, 0.6765, 2.0921

Previews

White Background



This preview shows how the XYZ color 47.9571, 56.8338, 70.7298 looks on a white background.

Color Contrast Check

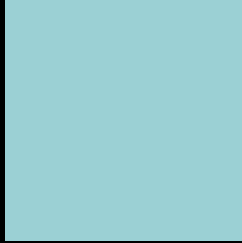
Large Text (above 18pt) WCAG AA × Fail

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 47.9571, 56.8338, 70.7298 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 47.9571, 56.8338, 70.7298

Background



This preview shows how black text looks on a background with the XYZ color 47.9571, 56.8338, 70.7298.



This preview shows how white text looks on a background with the XYZ color 47.9571, 56.8338,

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

47.9571, 56.8338, 70.7298

Protanopia

54.5389, 56.4824, 65.7853

Deuteranopia

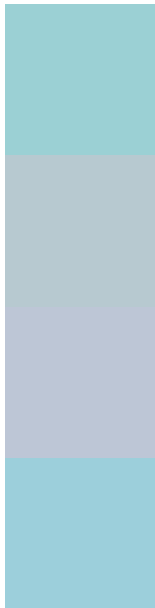
57.4099, 56.1609, 72.1043



Tritanopia

49.2952, 56.6384, 78.1462

Trichromacy



Original Color

47.9571, 56.8338, 70.7298

Protanomaly

51.8002, 56.3946, 67.8296

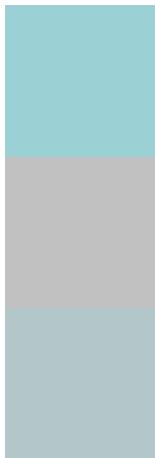
Deuteranomaly

53.3179, 56.0620, 71.6292

Tritanomaly

48.8093, 56.8080, 75.4104

Monochromacy



Original Color

47.9571, 56.8338, 70.7298

Achromatopsia

50.6879, 53.3276, 58.0738

Achromatomaly

49.2098, 54.1420, 62.5004

CSS Examples

Text

The CSS property to change the color of the text to XYZ 47.9571, 56.8338, 70.7298 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(155, 208, 212)` looks like.

```
.text, #text, p{  
    color:rgb(155, 208, 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(155, 208, 212) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(155, 208, 212) }
```

Border

The CSS property to change the border of an element to XYZ 47.9571, 56.8338, 70.7298 is called "border". The border property can be set on classes, ids or directly on the HTML element.

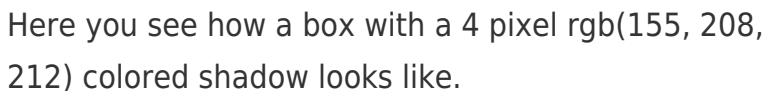
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(155, 208, 212) }
```


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

```
.border{ border-color:rgb(155, 208, 212) }
```

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



Here you see how a box with a 4 pixel `rgb(155, 208, 212)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(155, 208, 212); -webkit-box-shadow:4px 4px 4px 4px rgb(155, 208, 212); box-shadow:4px 4px 4px 4px rgb(155, 208, 212) }
```

Background

The CSS property to change the background color of an element to XYZ 47.9571, 56.8338, 70.7298 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(155, 208, 212) }
```

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

```
.background{ background-color: rgb(155,  
208, 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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor