

Converting Colors

XYZ(48.1609, 56.7906, 61.1409)

Have a look what the booklet for
XYZ(48.1609, 56.7906, 61.1409)
contains.

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Color

**XYZ(48.1168, 56.7639,
61.2438)**

Conversions

Conversions Part 1

Format	Color
Hex	A6CFC5
RGB	166, 207, 197
RGB Percent	65%, 81%, 77%
CMY	0.3490, 0.1882, 0.2274
CMYK	0.20, 0.00, 0.05, 0.19
HSL	165°, 30%, 73%
HSV	165°, 20%, 81%
XYZ	48.1168, 56.7639, 61.2438
YIQ	193.6010, -21.2260, -11.8020

Conversions

Conversions Part 2

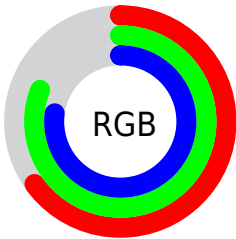
Format	Color
R_{YB}	166, 189, 207
Decimal	10932165
CIE Lab	80.05, -15.50, 0.50
CIE LCh	80, 15.507, 178.138
Yxy	56.7639, 0.2896, 0.3417
Android (android.graphics.Color)	4289122245 (0xFFA6CFC5)
YUV	193.6010, 1.6757, -24.2061
Hunter-Lab	75.3418, -17.8498, 4.5437

Details

The XYZ color **48.1168, 56.7639, 61.2438** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **47.2069, 43.6740, 47.0187**, and the grayscale version is **51.0432, 53.7014, 58.4808**.

A 20% lighter version of the original color is **83.7736, 94.2054, 107.5340**, and **23.1592, 28.2763, 30.2239** is the 20% darker color. If you saturate the color by 10%, you get **43.5532, 54.4785, 58.0609**, and if you desaturate by 10%, it is **53.4015, 59.4218, 64.5641**.

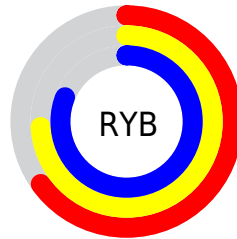
Distribution



Red (65%)

Green (81%)

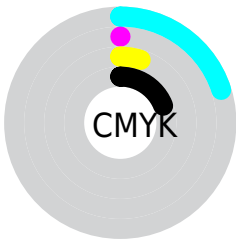
Blue (77%)



Red (65%)

Yellow (74%)

Blue (81%)

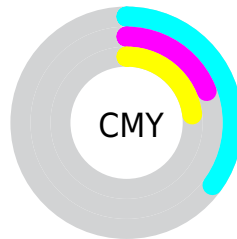


Cyan (20%)

Magenta (0%)

Yellow (5%)

Black (19%)



Cyan (35%)


Magenta (19%)


Yellow (23%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 48.1168, 56.7639, 61.2438 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 48.1168, 56.7639, 61.2438 by changing the saturation by 10% instead.


 48.1168, 56.7639,
61.2438


 48.1168, 56.7639,
61.2438


369.8298,
412.5640, 447.0986

 34.1310, 40.8157,
43.9901


 86.5869, 100.1206,
108.1928

 23.1576, 28.1751,
30.3256


 111.8020,
128.2979, 138.7253

 14.8313, 18.4577,
19.8317


141.4909,
161.3204, 174.5210

 8.7866, 11.2791,
12.0899

176.0189,
199.5724, 215.9986

 4.6582, 6.2549,
6.6817

215.7515,
243.4384, 263.5767

 2.0809, 3.0007,
3.1884

261.0539,

 0.6788, 1.1321,

293.3027, 317.6736

1.1916

312.2915,
349.5498, 378.7081

■ 0.0000, 0.0052,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 48.1168, 56.7639,
61.2438

■ 48.1168, 56.7639,
61.2438

■ 43.5532, 54.4785,
58.0609

■ 53.4015, 59.4218,
64.5641

■ 39.6723, 52.5414,
55.0089

■ 59.4337, 62.4612,
68.0204

■ 36.4394, 50.9361,
52.0865

■ 66.2444, 65.8998,
71.6162

■ 33.8149, 49.6423,
49.2909

■ 73.8616, 69.7517,
75.3538

■ 31.7545, 48.6371,
46.6188

■ 76.7725, 71.1752,
78.9761

■ 30.2080, 47.8947,
44.0670

■ 77.4607, 71.4505,
82.6004

■ 29.1158, 47.3845,
41.6316

■ 78.1694, 71.7340,
86.3323

■ 28.3706, 47.0510,
39.3064

■ 78.8987, 72.0257,
90.1730

■ 28.3574, 47.0451,
39.2626

■ 79.6489, 72.3257,
94.1231

Harmonies

Analogous

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



48.9652, 56.7639, 53.0861



48.1168, 56.7639, 61.2438



48.7808, 56.7639, 70.3618

Triad

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



48.1168, 56.7639, 61.2438



56.8624, 56.7639, 78.4167



57.2165, 56.7639, 48.2009

Complementary

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



48.1168, 56.7639, 61.2438



47.2069, 43.6740, 47.0187

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.



59.4772, 56.7639, 53.9740



48.1168, 56.7639, 61.2438



59.2672, 56.7639, 71.4325

Square

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



48.1168, 56.7639, 61.2438



53.7556, 56.7639, 80.8355



60.2417, 56.7639, 62.3721



54.1496, 56.7639, 46.0256

Rectangle

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



48.1168, 56.7639, 61.2438



50.0067, 56.7639, 75.6606



60.2417, 56.7639, 62.3721



58.1003, 56.7639, 49.7556

Sweetspot

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



48.1184, 56.7663, 61.2451



89.0482, 96.9747, 105.5126



47.1587, 56.6406, 44.5246



18.9260, 20.6891, 22.5062



0.0000, 0.0000, 0.0000



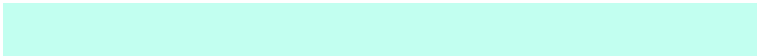
20.3446, 21.4041, 23.3091

Same Dimension

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



48.1184, 56.7663, 61.2451



73.6954, 89.2583, 95.8368



46.8997, 52.4332, 66.6830



12.0299, 13.3557, 14.5141



17.9046, 29.6548, 24.9416



1.0313, 1.6702, 1.5538

Inverse Universe

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



47.2069, 43.6740, 47.0187



71.9626, 64.3447, 68.7736



48.1914, 47.1691, 42.6420



11.9253, 11.8549, 12.8825



16.6137, 8.5183, 2.8717



0.9610, 0.4891, 0.3296

Previews

White Background



This preview shows how the XYZ color 48.1168, 56.7639, 61.2438 looks on a white background.

Color Contrast Check

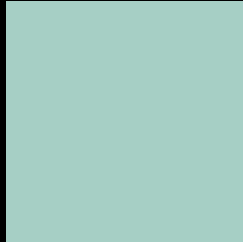
Large Text (above 18pt) WCAG AA × Fail

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 48.1168, 56.7639, 61.2438 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

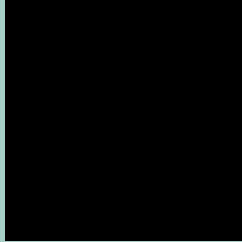
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 48.1168, 56.7639, 61.2438

Background



This preview shows how black text looks on a background with the XYZ color 48.1168, 56.7639, 61.2438.



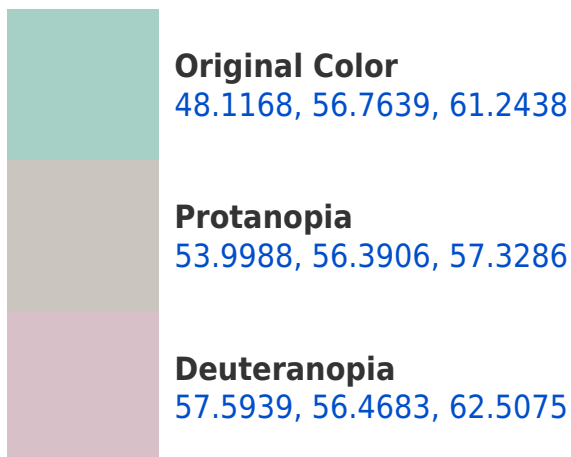
This preview shows how white text looks on a background with the XYZ color 48.1168, 56.7639,

61.2438.

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

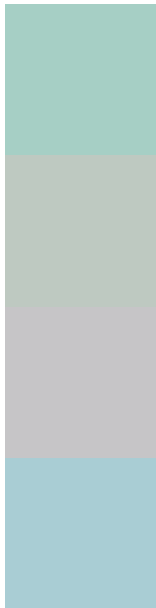




Tritanopia

51.0887, 56.8991, 76.0001

Trichromacy



Original Color

48.1168, 56.7639, 61.2438

Protanomaly

51.7475, 56.5707, 58.6439

Deuteranomaly

53.5638, 56.0618, 62.0307

Tritanomaly

50.0772, 56.8511, 70.6214

Monochromacy



Original Color

48.1168, 56.7639, 61.2438

Achromatopsia

51.2775, 53.9479, 58.7493

Achromatomaly

50.0409, 54.9773, 59.6040

CSS Examples

Text

The CSS property to change the color of the text to XYZ 48.1168, 56.7639, 61.2438 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(166, 207, 197)` looks like.

```
.text, #text, p{  
    color:rgb(166, 207, 197)  
}
```

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(166, 207, 197) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(166, 207, 197) }
```

Border

The CSS property to change the border of an element to XYZ 48.1168, 56.7639, 61.2438 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(166, 207, 197) }
```


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

```
.border{ border-color:rgb(166, 207, 197) }
```

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

Here you see how a box with a 4 pixel `rgb(166, 207, 197)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(166, 207, 197); -webkit-box-shadow:4px 4px 4px 4px rgb(166, 207, 197); box-shadow:4px 4px 4px 4px rgb(166, 207, 197) }
```

Background

The CSS property to change the background color of an element to XYZ 48.1168, 56.7639, 61.2438 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(166, 207, 197) }
```

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

```
.background{ background-color: rgb(166,  
207, 197) }
```

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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