

Converting Colors

XYZ(47.5262, 59.8035, 58.0585)

Have a look what the booklet for
XYZ(47.5262, 59.8035, 58.0585)
contains.

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Color

**XYZ(47.6701, 59.9412,
58.3475)**

Conversions

Conversions Part 1

Format	Color
Hex	9CD8BF
RGB	156, 216, 191
RGB Percent	61%, 85%, 75%
CMY	0.3882, 0.1529, 0.2510
CMYK	0.28, 0.00, 0.12, 0.15
HSL	155°, 43%, 73%
HSV	155°, 28%, 85%
XYZ	47.6701, 59.9412, 58.3475
YIQ	195.2100, -27.7350, -20.4950

Conversions

Conversions Part 2

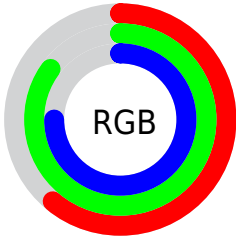
Format	Color
RYB	156, 194, 216
Decimal	10279103
CIELab	81.81, -24.32, 6.18
CIElCh	82, 25.094, 165.738
Yxy	59.9412, 0.2872, 0.3612
Android (android.graphics.Color)	4288469183 (0xFF9CD8BF)
YUV	195.2100, -2.0755, -34.3872
Hunter-Lab	77.4217, -25.5819, 9.5123

Details

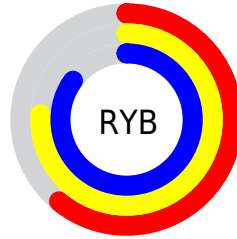
The XYZ color **47.6701, 59.9412, 58.3475** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **48.5499, 41.7135, 49.2112**, and the grayscale version is **52.0221, 54.7313, 59.6023**.

A 20% lighter version of the original color is **79.6999, 92.2324, 101.5977**, and **22.9258, 30.2083, 28.6672** is the 20% darker color. If you saturate the color by 10%, you get **42.8962, 57.5927, 53.1120**, and if you desaturate by 10%, it is **53.2515, 62.7021, 63.9411**.

Distribution



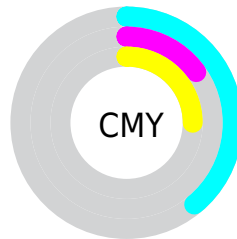
- Red (61%)
- Green (85%)
- Blue (75%)



- Red (61%)
- Yellow (76%)
- Blue (85%)



- Cyan (28%)
- Magenta (0%)
- Yellow (12%)
- Black (15%)





- Cyan (39%)
- Magenta (15%)
- Yellow (25%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 47.6701, 59.9412, 58.3475 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 47.6701, 59.9412, 58.3475 by changing the saturation by 10% instead.


 47.6701, 59.9412,
58.3475


 47.6701, 59.9412,
58.3475


368.0874,
424.3810, 436.1139

 33.7759, 43.3712,
41.6715


 85.9257, 104.7444,
103.9485

 22.8835, 30.1765,
28.5205


 111.0178,
133.7464, 133.7106

 14.6278, 19.9726,
18.4760


140.5731,
167.6612, 168.6719

 8.6432, 12.3751,
11.1193

174.9572,
206.8732, 209.2508

 4.5644, 6.9997,
6.0319

214.5353,
251.7667, 255.8659

 2.0261, 3.4619,
2.7954

259.6728,

 0.6486, 1.3774,

302.7263, 308.9358

0.9911

310.7350,
360.1363, 368.8789

■ 0.0000, 0.2000,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 47.6701, 59.9412,
58.3475

■ 47.6701, 59.9412,
58.3475

■ 42.8962, 57.5927,
53.1120

■ 53.2515, 62.7021,
63.9411

■ 38.8843, 55.6286,
48.2232

■ 59.6730, 65.8874,
69.8961

■ 35.5919, 54.0286,
43.6743

■ 66.9713, 69.5173,
76.2208

■ 32.9703, 52.7677,
39.4571

■ 75.1794, 73.6090,
82.9220

■ 30.9640, 51.8175,
35.5630

■ 80.9381, 76.4304,
89.8477

■ 29.5084, 51.1449,
31.9824

■ 82.2793, 76.9669,
96.9107

■ 28.5130, 50.7033,
28.7047

■ 83.6875, 77.5301,
104.3258

■ 28.3226, 50.6202,
28.0154

■ 83.8470, 77.5939,
105.1657

Harmonies

Analogous

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



49.9926, 59.9412, 46.9689



47.6701, 59.9412, 58.3475



47.7303, 59.9412, 73.4918

Triad

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



47.6701, 59.9412, 58.3475



59.7765, 59.9412, 97.5189



64.3721, 59.9412, 46.5443

Complementary

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



47.6701, 59.9412, 58.3475



48.5499, 41.7135, 49.2112

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.



67.3364, 59.9412, 57.6777



47.6701, 59.9412, 58.3475



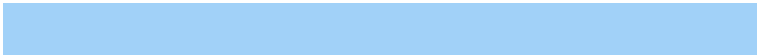
64.5732, 59.9412, 87.7868

Square

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



47.6701, 59.9412, 58.3475



54.5025, 59.9412, 97.7728



67.4122, 59.9412, 72.7104



59.5157, 59.9412, 40.9041

Rectangle

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



47.6701, 59.9412, 58.3475



49.1069, 59.9412, 83.8057



67.4122, 59.9412, 72.7104



65.6357, 59.9412, 49.6841

Sweetspot

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



47.6718, 59.9437, 58.3489



86.6004, 95.7987, 101.5179



49.8500, 61.4597, 40.6889



18.2160, 20.3459, 21.4403



0.0000, 0.0000, 0.0000



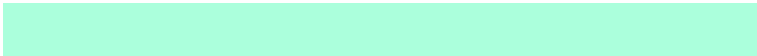
20.3446, 21.4041, 23.3091

Same Dimension

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



47.6718, 59.9437, 58.3489



65.4316, 85.3250, 80.6859



49.6504, 59.1152, 73.7621



12.5631, 14.0163, 14.7800



16.8183, 29.9827, 16.8707



1.0552, 1.8247, 1.2326

Inverse Universe

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



48.5499, 41.7135, 49.2112



66.9048, 54.7813, 65.3859



46.8922, 42.1423, 37.1161



12.6357, 12.5058, 14.0220



17.9054, 9.0985, 6.8061



1.1207, 0.5651, 0.6250

Previews

White Background



This preview shows how the XYZ color 47.6701, 59.9412, 58.3475 looks on a white background.

Color Contrast Check

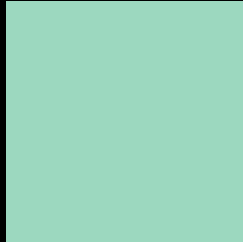
Large Text (above 18pt) WCAG AA × Fail

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 47.6701, 59.9412, 58.3475 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 47.6701, 59.9412, 58.3475

Background



This preview shows how black text looks on a background with the XYZ color 47.6701, 59.9412, 58.3475.



This preview shows how white text looks on a background with the XYZ color 47.6701, 59.9412,

58.3475.

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

47.6701, 59.9412, 58.3475

Protanopia

56.6362, 59.5506, 53.8568

Deuteranopia

60.6416, 59.4275, 59.9043



Tritanopia

52.4021, 59.9765, 82.2135

Trichromacy



Original Color

47.6701, 59.9412, 58.3475

Protanomaly

52.7683, 59.2899, 55.6766

Deuteranomaly

54.9130, 58.8863, 59.5109

Tritanomaly

50.5572, 59.9684, 73.2004

Monochromacy



Original Color

47.6701, 59.9412, 58.3475

Achromatopsia

51.8711, 54.5724, 59.4294

Achromatomaly

50.1496, 56.4307, 59.2880

CSS Examples

Text

The CSS property to change the color of the text to XYZ 47.6701, 59.9412, 58.3475 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(156, 216, 191)` looks like.

```
.text, #text, p{  
    color:rgb(156, 216, 191)  
}
```

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(156, 216, 191) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(156, 216, 191) }
```

Border

The CSS property to change the border of an element to XYZ 47.6701, 59.9412, 58.3475 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(156, 216, 191) }
```


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

```
.border{ border-color:rgb(156, 216, 191) }
```

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

Here you see how a box with a 4 pixel `rgb(156, 216, 191)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(156, 216, 191); -webkit-box-  
shadow:4px 4px 4px 4px rgb(156, 216, 191);  
box-shadow:4px 4px 4px 4px rgb(156, 216,  
191) }
```

Background

The CSS property to change the background color of an element to XYZ 47.6701, 59.9412, 58.3475 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(156, 216, 191) }
```

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

```
.background{ background-color: rgb(156,  
216, 191) }
```

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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