

Converting Colors

XYZ(49.3224, 67.7272, 60.9712)

Have a look what the booklet for
XYZ(49.3224, 67.7272, 60.9712)
contains.

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Color

**XYZ(49.2458, 67.5314,
60.8914)**

Conversions

Conversions Part 1

Format	Color
Hex	8AE9C1
RGB	138, 233, 193
RGB Percent	54%, 91%, 76%
CMY	0.4588, 0.0863, 0.2431
CMYK	0.41, 0.00, 0.17, 0.09
HSL	155°, 68%, 73%
HSV	155°, 41%, 91%
XYZ	49.2458, 67.5314, 60.8914
YIQ	200.0350, -43.7800, -32.5800

Conversions

Conversions Part 2

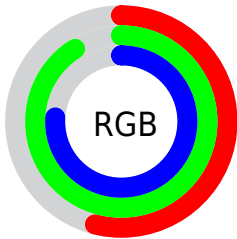
Format	Color
RYB	138, 198, 233
Decimal	9103809
CIELab	85.77, -37.08, 10.69
CIELCh	86, 38.594, 163.917
Yxy	67.5314, 0.2772, 0.3801
Android (android.graphics.Color)	4287293889 (0xFF8AE9C1)
YUV	200.0350, -3.4683, -54.4047
Hunter-Lab	82.1775, -36.8424, 13.5919

Details

The XYZ color **49.2458, 67.5314, 60.8914** is a light color, and the websafe version is hex **99FFCC**. A complement of this color would be **50.7309, 38.7166, 46.9214**, and the grayscale version is **54.9628, 57.8251, 62.9716**.

A 20% lighter version of the original color is **75.3646, 89.9617, 103.0147**, and **23.8620, 35.1022, 29.9438** is the 20% darker color. If you saturate the color by 10%, you get **44.7384, 65.3318, 55.1562**, and if you desaturate by 10%, it is **54.6564, 70.1918, 67.0508**.

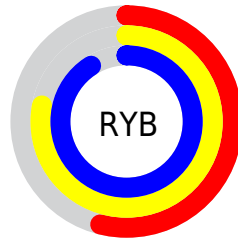
Distribution



Red (54%)

Green (91%)

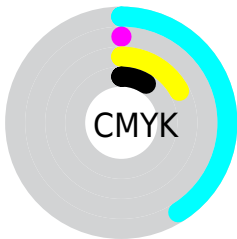
Blue (76%)



Red (54%)

Yellow (78%)

Blue (91%)

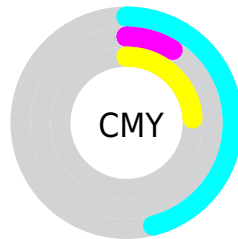


Cyan (41%)

Magenta (0%)

Yellow (17%)

Black (9%)



Cyan (46%)


Magenta (9%)


Yellow (24%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 49.2458, 67.5314, 60.8914 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 49.2458, 67.5314, 60.8914 by changing the saturation by 10% instead.


 49.2458, 67.5314,
60.8914


 49.2458, 67.5314,
60.8914


374.2101,
451.8340, 445.7712

 35.0298, 49.5166,
43.7075


 88.2549, 115.6815,
107.6777

 23.8525, 35.0295,
30.1052


 113.7788,
146.5856, 138.1172

 15.3484, 23.6856,
19.6657


143.8027,
182.5550, 173.8123

 9.1522, 15.1005,
11.9706

178.6920,
223.9740, 215.1816

 4.8985, 8.8900,
6.6014

218.8121,
271.2269, 262.6436

 2.2220, 4.6695,
3.1394

264.5282,

 0.7543, 2.0547,

324.6983, 316.6168

1.1663

316.2057,
384.7725, 377.5199

■ 0.0000, 0.6390,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 49.2458, 67.5314,
60.8914

■ 49.2458, 67.5314,
60.8914

■ 44.7384, 65.3318,
55.1562

■ 54.6564, 70.1918,
67.0508

■ 41.0739, 63.5568,
49.8309


■ 61.0148, 73.3304,
73.6393


■ 38.1930, 62.1777,
44.9065


■ 68.3688, 76.9736,
80.6675


■ 36.0261, 61.1587,
40.3720


■ 76.7617, 81.1435,
88.1441

 34.4901, 60.4572,
36.2156

 86.2338, 85.8608,
96.0775

 33.5058, 60.0266,
32.7026

 87.9300, 86.5603,
104.0598

 88.4302, 86.7603,
106.6934

Harmonies

Analogous

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



53.1385, 67.5314, 43.8252



49.2458, 67.5314, 60.8914



49.1070, 67.5314, 85.8276

Triad

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



49.2458, 67.5314, 60.8914



68.3479, 67.5314, 131.3938



77.1798, 67.5314, 44.7503

Complementary

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



49.2458, 67.5314, 60.8914



50.7309, 38.7166, 46.9214

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.



82.0746, 67.5314, 62.4675



49.2458, 67.5314, 60.8914



76.6688, 67.5314, 114.3101

Square

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



49.2458, 67.5314, 60.8914



59.6068, 67.5314, 130.6958



81.8795, 67.5314, 87.8070



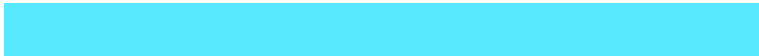
68.9952, 67.5314, 36.0694

Rectangle

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



49.2458, 67.5314, 60.8914



51.1294, 67.5314, 104.0612



81.8795, 67.5314, 87.8070



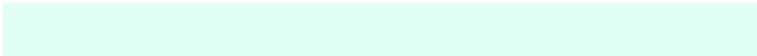
79.2965, 67.5314, 49.6443

Sweetspot

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



49.2477, 67.5341, 60.8929



82.6689, 93.8490, 97.8527



52.3575, 69.7193, 34.7434



17.4302, 19.9565, 20.6975



0.0000, 0.0000, 0.0000



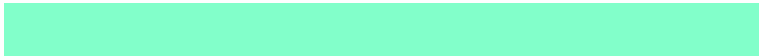
20.3446, 21.4041, 23.3091

Same Dimension

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



49.2477, 67.5341, 60.8929



55.6802, 80.5524, 68.7313



52.5694, 66.0453, 87.0714



15.2339, 17.0084, 17.9148



19.0743, 34.0842, 18.8884



1.5457, 2.6956, 1.7353

Inverse Universe

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



50.7309, 38.7166, 46.9214



57.7415, 40.6434, 49.4176



48.2176, 39.2079, 29.0722



15.3286, 15.1593, 17.0157



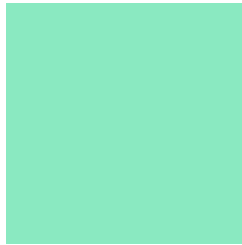
20.3805, 10.3549, 7.8049



1.6474, 0.8319, 0.8608

Previews

White Background



This preview shows how the XYZ color 49.2458, 67.5314, 60.8914 looks on a white background.

Color Contrast Check

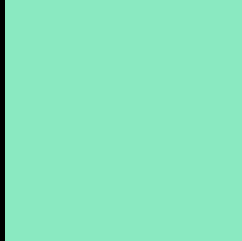
Large Text (above 18pt) WCAG AA × Fail

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 49.2458, 67.5314, 60.8914 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 49.2458, 67.5314, 60.8914

Background



This preview shows how black text looks on a background with the XYZ color 49.2458, 67.5314, 60.8914.

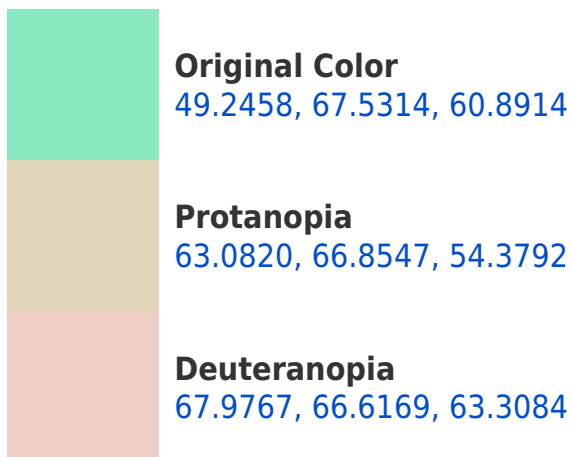


This preview shows how white text looks on a background with the XYZ color 49.2458, 67.5314,

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

56.1032, 67.4084, 95.6421

Trichromacy



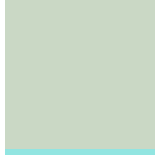
Original Color

49.2458, 67.5314, 60.8914



Protanomaly

56.5552, 66.1117, 56.7938



Deuteranomaly

58.9910, 65.6995, 62.3954



Tritanomaly

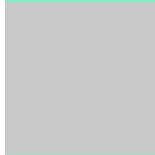
53.4640, 67.5859, 81.4617

Monochromacy



Original Color

49.2458, 67.5314, 60.8914



Achromatopsia

54.8990, 57.7580, 62.8985



Achromatomaly

51.7530, 60.4653, 61.7666

CSS Examples

Text

The CSS property to change the color of the text to XYZ 49.2458, 67.5314, 60.8914 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(138, 233, 193)` looks like.

```
.text, #text, p{  
    color:rgb(138, 233, 193)  
}
```

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(138, 233, 193) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(138, 233, 193) }
```

Border

The CSS property to change the border of an element to XYZ 49.2458, 67.5314, 60.8914 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(138, 233, 193) }
```


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

```
.border{ border-color:rgb(138, 233, 193) }
```

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

Here you see how a box with a 4 pixel `rgb(138, 233, 193)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(138, 233, 193); -webkit-box-  
shadow:4px 4px 4px 4px rgb(138, 233, 193);  
box-shadow:4px 4px 4px 4px rgb(138, 233,  
193) }
```

Background

The CSS property to change the background color of an element to XYZ 49.2458, 67.5314, 60.8914 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(138, 233, 193) }
```

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

```
.background{ background-color: rgb(138,  
233, 193) }
```

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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