

Converting Colors

XYZ(48.0629, 63.4054, 60.1120)

Have a look what the booklet for
XYZ(48.0629, 63.4054, 60.1120)
contains.

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Color

**XYZ(47.9583, 63.1813,
60.1196)**

Conversions

Conversions Part 1

Format	Color
Hex	91E0C1
RGB	145, 224, 193
RGB Percent	57%, 88%, 76%
CMY	0.4314, 0.1216, 0.2431
CMYK	0.35, 0.00, 0.14, 0.12
HSL	156°, 56%, 72%
HSV	156°, 35%, 88%
XYZ	47.9583, 63.1813, 60.1196
YIQ	196.8450, -37.1330, -26.3890

Conversions

Conversions Part 2

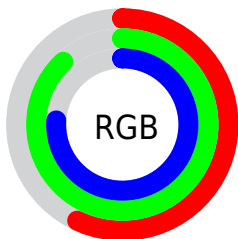
Format	Color
RYB	145, 194, 224
Decimal	9560257
CIELab	83.54, -30.98, 7.54
CIElCh	84, 31.889, 166.324
Yxy	63.1813, 0.2800, 0.3689
Android (android.graphics.Color)	4287750337 (0xFF91E0C1)
YUV	196.8450, -1.8956, -45.4681
Hunter-Lab	79.4867, -31.4036, 10.7968

Details

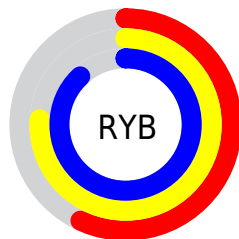
The XYZ color **47.9583, 63.1813, 60.1196** is a light color, and the websafe version is hex **99CC99**. A complement of this color would be **48.7044, 39.2342, 46.0826**, and the grayscale version is **53.0059, 55.7663, 60.7295**.

A 20% lighter version of the original color is **76.9463, 90.7771, 103.0888**, and **22.9772, 32.0935, 29.4097** is the 20% darker color. If you saturate the color by 10%, you get **43.4422, 60.9648, 54.9413**, and if you desaturate by 10%, it is **53.3144, 65.8274, 65.6442**.

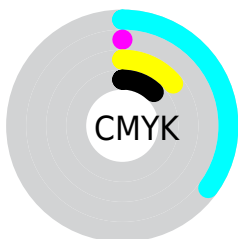
Distribution



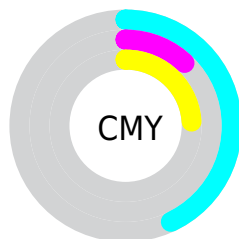
- Red (57%)
- Green (88%)
- Blue (76%)



- Red (57%)
- Yellow (76%)
- Blue (88%)



- Cyan (35%)
- Magenta (0%)
- Yellow (14%)
- Black (12%)




- Cyan (43%)
- Magenta (12%)
- Yellow (24%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 47.9583, 63.1813, 60.1196 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 47.9583, 63.1813, 60.1196 by changing the saturation by 10% instead.


 47.9583, 63.1813,
60.1196


 47.9583, 63.1813,
60.1196


369.2122,
436.2272, 442.8553

 34.0050, 45.9879,
43.0891


 86.3524, 109.4310,
106.5482

 23.0603, 32.2363,
29.6231


 111.5239,
139.2561, 136.7834

 14.7590, 21.5420,
19.3031


141.1654,
174.0606, 172.2573

 8.7356, 13.5208,
11.7105

175.6425,
214.2288, 213.3883

 4.6249, 7.7881,
6.4267

215.3203,
260.1452, 260.5951

 2.0614, 3.9597,
3.0333

260.5643,

 0.6681, 1.6510,

312.1941, 314.2962

1.1117

311.7398,
370.7600, 374.9101

■ 0.0000, 0.3916,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 47.9583, 63.1813,
60.1196

■ 47.9583, 63.1813,
60.1196

■ 43.4422, 60.9648,
54.9413

■ 53.3144, 65.8274,
65.6442

■ 39.7139, 59.1461,
50.0976

■ 59.5484, 68.9176,
71.5180

■ 36.7233, 57.7013,
45.5822

■ 66.7022, 72.4751,
77.7493

■ 34.4121, 56.6003,
41.3867

■ 74.8134, 76.5189,
84.3446

■ 32.7127, 55.8084,
37.5023

■ 83.1762, 80.6854,
91.2757

■ 31.5423, 55.2832,
33.9193

■ 84.4922, 81.2118,
98.2058

■ 31.1078, 55.0940,
32.3242

■ 85.8721, 81.7637,
105.4721

■ 85.9468, 81.7936,
105.8656

Harmonies

Analogous

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



50.8786, 63.1813, 45.5640



47.9583, 63.1813, 60.1196



48.0963, 63.1813, 80.1453

Triad

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



47.9583, 63.1813, 60.1196



63.8948, 63.1813, 112.5492



69.7816, 63.1813, 44.6182

Complementary

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



47.9583, 63.1813, 60.1196



48.7044, 39.2342, 46.0826

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.



73.8408, 63.1813, 58.5680



47.9583, 63.1813, 60.1196



70.2665, 63.1813, 98.8199

Square

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



47.9583, 63.1813, 60.1196



56.9415, 63.1813, 113.1874



74.0248, 63.1813, 78.2644



63.2737, 63.1813, 37.8548

Rectangle

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



47.9583, 63.1813, 60.1196



49.8969, 63.1813, 94.1018



74.0248, 63.1813, 78.2644



71.4990, 63.1813, 48.4862

Sweetspot

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



47.9601, 63.1839, 60.1210



83.7508, 94.3740, 99.3838



49.8089, 64.6586, 36.6440



17.6511, 20.0632, 21.0300



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.



47.9601, 63.1839, 60.1210



59.9612, 82.6092, 75.7165



49.7151, 60.5671, 79.5944



13.8768, 15.4765, 16.3866



18.1643, 32.0906, 19.1198



1.3027, 2.2418, 1.5550

Inverse Universe

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



48.7044, 39.2342, 46.0826



61.1007, 46.1230, 54.3567



47.2280, 40.6429, 32.1446



13.9288, 13.7892, 15.3955



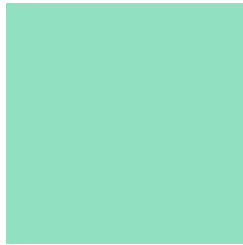
18.9688, 9.6545, 6.5017



1.3579, 0.6864, 0.6776

Previews

White Background



This preview shows how the XYZ color 47.9583, 63.1813, 60.1196 looks on a white background.

Color Contrast Check

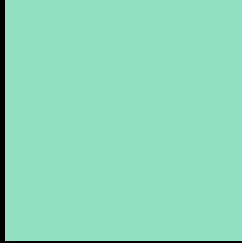
Large Text (above 18pt) WCAG AA × Fail

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 47.9583, 63.1813, 60.1196 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

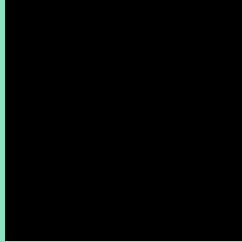
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 47.9583, 63.1813, 60.1196

Background



This preview shows how black text looks on a background with the XYZ color 47.9583, 63.1813, 60.1196.

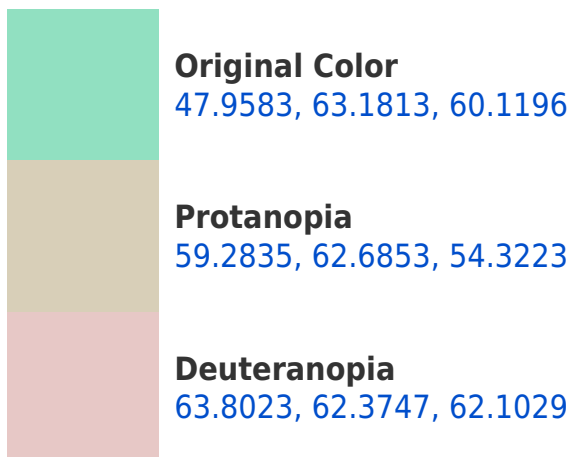


This preview shows how white text looks on a background with the XYZ color 47.9583, 63.1813,

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

53.5844, 63.1095, 87.9544

Trichromacy



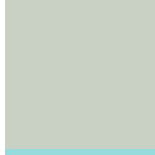
Original Color

47.9583, 63.1813, 60.1196



Protanomaly

53.9991, 62.1235, 56.1587



Deuteranomaly

56.5837, 61.8658, 61.1836



Tritanomaly

51.2740, 62.9330, 77.1550

Monochromacy



Original Color

47.9583, 63.1813, 60.1196



Achromatopsia

53.0703, 55.8340, 60.8033



Achromatomaly

50.6367, 58.0761, 60.7655

CSS Examples

Text

The CSS property to change the color of the text to XYZ 47.9583, 63.1813, 60.1196 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(145, 224, 193)` looks like.

```
.text, #text, p{  
    color:rgb(145, 224, 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(145, 224, 193) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(145, 224, 193) }
```

Border

The CSS property to change the border of an element to XYZ 47.9583, 63.1813, 60.1196 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(145, 224, 193) }
```


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

```
.border{ border-color:rgb(145, 224, 193) }
```

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

Here you see how a box with a 4 pixel `rgb(145, 224, 193)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(145, 224, 193); -webkit-box-  
shadow:4px 4px 4px 4px rgb(145, 224, 193);  
box-shadow:4px 4px 4px 4px rgb(145, 224,  
193) }
```

Background

The CSS property to change the background color of an element to XYZ 47.9583, 63.1813, 60.1196 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(145, 224, 193) }
```

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

```
.background{ background-color: rgb(145,  
224, 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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