

Converting Colors

XYZ(46.6581, 58.0523, 60.3815)

Have a look what the booklet for
XYZ(46.6581, 58.0523, 60.3815)
contains.

| | |
|--|----|
| XYZ(46.7814, 58.3009, 60.4173) | 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(46.7814, 58.3009,
60.4173)**

Conversions

Conversions Part 1

| Format | Color |
|-------------|------------------------------|
| Hex | 99D5C3 |
| RGB | 153, 213, 195 |
| RGB Percent | 60%, 84%, 76% |
| CMY | 0.4000, 0.1647, 0.2353 |
| CMYK | 0.28, 0.00, 0.08, 0.16 |
| HSL | 162°, 42%, 72% |
| HSV | 162°, 28%, 84% |
| XYZ | 46.7814, 58.3009, 60.4173 |
| YIQ | 193.0080, -29.9820, -18.3180 |

Conversions

Conversions Part 2

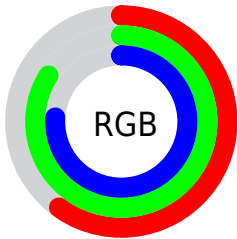
| Format | Color |
|-------------------------------------|-------------------------------|
| RYB | 153, 188, 213 |
| Decimal | 10081731 |
| CIELab | 80.91, -22.92, 2.73 |
| CIElCh | 81, 23.086, 173.206 |
| Yxy | 58.3009, 0.2827, 0.3523 |
| Android (android.graphics.Color) | 4288271811 (0xFF99D5C3) |
| YUV | 193.0080, 0.9821, -35.0870 |
| Hunter-Lab | 76.3550, -24.2574, 6.5342 |

Details

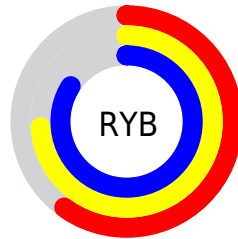
The XYZ color **46.7814, 58.3009, 60.4173** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **46.1845, 39.8703, 43.7919**, and the grayscale version is **50.7016, 53.3420, 58.0894**.

A 20% lighter version of the original color is **79.6252, 92.1036, 105.6765**, and **22.2901, 29.0861, 29.6387** is the 20% darker color. If you saturate the color by 10%, you get **42.4075, 56.1293, 56.5218**, and if you desaturate by 10%, it is **51.9072, 60.8596, 64.5119**.

Distribution



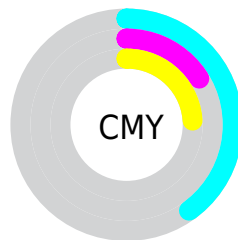
- Red (60%)
- Green (84%)
- Blue (76%)



- Red (60%)
- Yellow (74%)
- Blue (84%)



- Cyan (28%)
- Magenta (0%)
- Yellow (8%)
- Black (16%)




- Cyan (40%)
- Magenta (16%)
- Yellow (24%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 46.7814, 58.3009, 60.4173 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 46.7814, 58.3009, 60.4173 by changing the saturation by 10% instead.

 46.7814, 58.3009,
60.4173


 46.7814, 58.3009,
60.4173

364.6048,
418.3062, 443.9815

 33.0701, 42.0506,
43.3276


 84.6080, 102.3609,
106.9841

 22.3396, 29.1409,
29.8089


 109.4539,
130.9394, 137.2982

 14.2247, 19.1874,
19.4428


138.7422,
164.3961, 172.8575

 8.3598, 11.8058,
11.8106

172.8380,
203.1154, 214.0807

 4.3798, 6.6116,
6.4939

212.1069,
247.4816, 261.3861

 1.9192, 3.2204,
3.0740

256.9140,

 0.5879, 1.2479,

297.8793, 315.1923

1.1326

307.6249,
354.6927, 375.9179

■ 0.0000, 0.1003,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 46.7814, 58.3009,
60.4173

■ 46.7814, 58.3009,
60.4173

■ 42.4075, 56.1293,
56.5218

■ 51.9072, 60.8596,
64.5119

■ 38.7420, 54.3179,
52.8177

■ 57.8156, 63.8166,
68.8054

■ 35.7444, 52.8473,
49.3023

■ 64.5417, 67.1914,
73.3024

■ 33.3679, 51.6934,
45.9714

■ 72.1168, 71.0003,
78.0065

■ 31.5598, 50.8292,
42.8203

■ 78.8943, 74.3942,
82.8423

■ 30.2577, 50.2224,
39.8440

■ 79.7928, 74.7536,
87.5739

■ 29.3706, 49.8263,
37.0360

■ 80.7245, 75.1263,
92.4798

■ 29.2278, 49.7636,
36.5388

■ 81.6895, 75.5123,
97.5617

■ 82.6883, 75.9118,
102.8215

Harmonies

Analogous

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



48.3765, 58.3009, 48.9877



46.7814, 58.3009, 60.4173



47.3904, 58.3009, 74.4229

Triad

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



46.7814, 58.3009, 60.4173



59.1130, 58.3009, 90.8658



61.1005, 58.3009, 44.6537

Complementary

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



46.7814, 58.3009, 60.4173



46.1845, 39.8703, 43.7919

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.



64.2941, 58.3009, 53.6657



46.7814, 58.3009, 60.4173



63.1013, 58.3009, 80.5804

Square

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



46.7814, 58.3009, 60.4173



54.3334, 58.3009, 93.3574



65.0465, 58.3009, 66.6440



56.5074, 58.3009, 40.7720

Rectangle

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



46.7814, 58.3009, 60.4173



48.9823, 58.3009, 83.2523



65.0465, 58.3009, 66.6440



62.3838, 58.3009, 47.1154

Sweetspot

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



46.7830, 58.3033, 60.4186



86.9691, 95.9462, 103.4596



46.5591, 58.6615, 39.0067



18.3090, 20.3831, 21.9304



0.0000, 0.0000, 0.0000



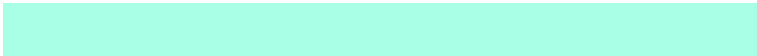
20.3446, 21.4041, 23.3091

Same Dimension

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



46.7830, 58.3033, 60.4186



66.1135, 85.5342, 87.1446



46.2694, 53.8196, 70.9031



12.6261, 14.0414, 15.1113



17.8999, 30.4153, 22.5663



1.1154, 1.8488, 1.5495

Inverse Universe

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



46.1845, 39.8703, 43.7919



65.0709, 53.2853, 58.0788



46.4676, 42.9985, 35.9883



12.5751, 12.4815, 13.7026



17.3652, 8.8824, 3.9614



1.0837, 0.5503, 0.4301

Previews

White Background



This preview shows how the XYZ color 46.7814, 58.3009, 60.4173 looks on a white background.

Color Contrast Check

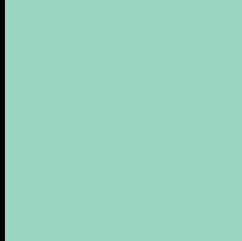
Large Text (above 18pt) WCAG AA × Fail

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 46.7814, 58.3009, 60.4173 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

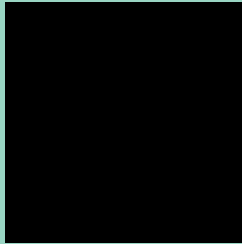
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 46.7814, 58.3009, 60.4173

Background



This preview shows how black text looks on a background with the XYZ color 46.7814, 58.3009, 60.4173.



This preview shows how white text looks on a background with the XYZ color 46.7814, 58.3009,

60.4173.

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

46.7814, 58.3009, 60.4173

Protanopia

55.2327, 57.7431, 55.8114

Deuteranopia

59.1158, 57.9227, 62.0973



Tritanopia

50.6891, 58.4081, 79.8365

Trichromacy



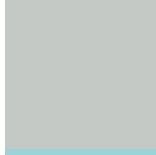
Original Color

46.7814, 58.3009, 60.4173



Protanomaly

51.4904, 57.5121, 57.6773



Deuteranomaly

53.8446, 57.5863, 61.7034



Tritanomaly

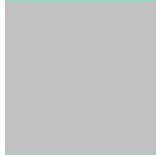
49.0888, 58.1163, 72.2486

Monochromacy



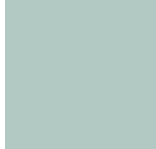
Original Color

46.7814, 58.3009, 60.4173



Achromatopsia

50.6879, 53.3276, 58.0738



Achromatomaly

48.7520, 54.6686, 59.0215

CSS Examples

Text

The CSS property to change the color of the text to XYZ 46.7814, 58.3009, 60.4173 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(153, 213, 195)` looks like.

```
.text, #text, p{  
    color:rgb(153, 213, 195)  
}
```

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(153, 213, 195) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(153, 213, 195) }
```

Border

The CSS property to change the border of an element to XYZ 46.7814, 58.3009, 60.4173 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(153, 213, 195) }
```


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

```
.border{ border-color:rgb(153, 213, 195) }
```

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

Here you see how a box with a 4 pixel rgb(153, 213, 195) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(153, 213, 195); -webkit-box-  
shadow:4px 4px 4px 4px rgb(153, 213, 195);  
box-shadow:4px 4px 4px 4px rgb(153, 213,  
195) }
```

Background

The CSS property to change the background color of an element to XYZ 46.7814, 58.3009, 60.4173 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(153, 213, 195) }
```

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

```
.background{ background-color: rgb(153,  
213, 195) }
```

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