

Converting Colors

XYZ(46.3175, 57.8487, 50.6459)

Have a look what the booklet for
XYZ(46.3175, 57.8487, 50.6459)
contains.

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Color

**XYZ(46.4797, 57.9827,
50.8615)**

Conversions

Conversions Part 1

Format	Color
Hex	A2D4B2
RGB	162, 212, 178
RGB Percent	64%, 83%, 70%
CMY	0.3647, 0.1686, 0.3020
CMYK	0.24, 0.00, 0.16, 0.17
HSL	139°, 37%, 73%
HSV	139°, 24%, 83%
XYZ	46.4797, 57.9827, 50.8615
YIQ	193.1740, -18.8860, -21.1740

Conversions

Conversions Part 2

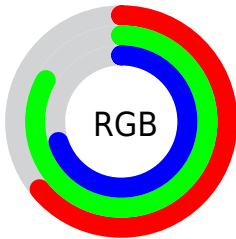
Format	Color
RYB	162, 200, 212
Decimal	10671282
CIELab	80.73, -23.01, 11.59
CIElCh	81, 25.768, 153.263
Yxy	57.9827, 0.2992, 0.3733
Android (android.graphics.Color)	4288861362 (0xFFA2D4B2)
YUV	193.1740, -7.4808, -27.3396
Hunter-Lab	76.1464, -24.2999, 13.7001

Details

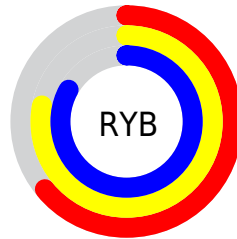
The XYZ color **46.4797, 57.9827, 50.8615** is a light color, and the websafe version is hex **99CC99**. A complement of this color would be **50.0376, 43.8247, 58.0490**, and the grayscale version is **50.8428, 53.4906, 58.2512**.

A 20% lighter version of the original color is **79.5247, 92.3659, 91.4789**, and **22.0653, 28.8458, 23.8069** is the 20% darker color. If you saturate the color by 10%, you get **41.1587, 55.3998, 43.4497**, and if you desaturate by 10%, it is **52.6820, 61.0056, 59.1112**.

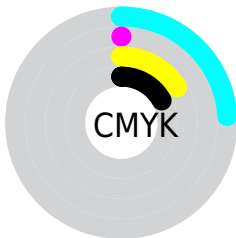
Distribution



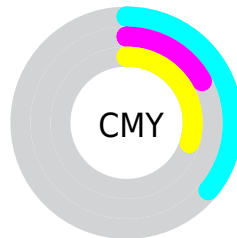
- Red (64%)
- Green (83%)
- Blue (70%)



- Red (64%)
- Yellow (78%)
- Blue (83%)



- Cyan (24%)
- Magenta (0%)
- Yellow (16%)
- Black (17%)



- Cyan (36%)
- Magenta (17%)
- Yellow (30%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 46.4797, 57.9827, 50.8615 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 46.4797, 57.9827, 50.8615 by changing the saturation by 10% instead.


 46.4797, 57.9827,
50.8615


 46.4797, 57.9827,
50.8615


363.4176,
417.1215, 406.8566

 32.8307, 41.7947,
35.7224


 84.1599, 101.8977,
92.8594

 22.1554, 28.9406,
23.9319

 108.9219,
130.3935, 120.5554

 14.0884, 19.0359,
15.0714


138.1190,
163.7607, 153.2740

 8.2643, 11.6962,
8.7223

172.1164,
202.3837, 191.4339

 4.3177, 6.5372,
4.4662

211.2797,
246.6468, 235.4535

 1.8834, 3.1744,
1.8844

255.9740,

 0.5672, 1.2234,

296.9346, 285.7515

0.4828

306.5649,
353.6313, 342.7464

■ 0.0000, 0.0807,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 46.4797, 57.9827,
50.8615

■ 46.4797, 57.9827,
50.8615

■ 41.1587, 55.3998,
43.4497

■ 52.6820, 61.0056,
59.1112

■ 36.6733, 53.2290,
36.8456

■ 59.7993, 64.4804,
68.2200

■ 32.9806, 51.4504,
31.0227

■ 67.8690, 68.4277,
78.2134

■ 30.0318, 50.0395,
25.9518

■ 76.9253, 72.8645,
89.1144

■ 27.7727, 48.9688,
21.6015

■ 82.0532, 75.2566,
100.7138

■ 26.1410, 48.2070,
17.9385

■ 82.8346, 75.5691,
104.8282

■ 25.0621, 47.7163,
14.9262

■ 24.5830, 47.5045,
13.3165

Harmonies

Analogous

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



49.6943, 57.9827, 41.6891



46.4797, 57.9827, 50.8615



45.5258, 57.9827, 64.8135

Triad

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



46.4797, 57.9827, 50.8615



55.6944, 57.9827, 97.0882



64.1039, 57.9827, 48.4045

Complementary

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



46.4797, 57.9827, 50.8615



50.0376, 43.8247, 58.0490

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.



65.9547, 57.9827, 61.4824



46.4797, 57.9827, 50.8615



60.9073, 57.9827, 90.9001

Square

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



46.4797, 57.9827, 50.8615



50.6403, 57.9827, 93.0403



64.7493, 57.9827, 77.2355



59.8369, 57.9827, 40.4389

Rectangle

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



46.4797, 57.9827, 50.8615



46.2464, 57.9827, 75.4106



64.7493, 57.9827, 77.2355



65.0413, 57.9827, 52.2666

Sweetspot

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



46.4813, 57.9851, 50.8628



86.8919, 96.0131, 98.6372



52.8756, 61.4564, 43.2587



18.4551, 20.4807, 20.9297



0.0000, 0.0000, 0.0000



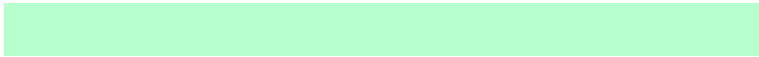
20.3446, 21.4041, 23.3091

Same Dimension

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



46.4813, 57.9851, 50.8628



66.6264, 86.1390, 71.7923



49.2053, 59.0747, 65.2074



12.4245, 13.9608, 14.0501



15.2163, 29.3419, 8.4345



0.9551, 1.7847, 0.7050

Inverse Universe

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



50.0376, 43.8247, 58.0490



72.8848, 61.2099, 84.4314



47.4401, 42.7857, 44.3707



12.7761, 12.5619, 14.7611



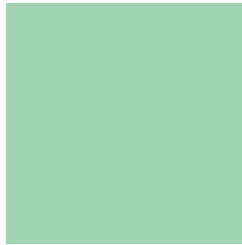
19.9249, 9.9063, 17.4403



1.2387, 0.6123, 1.2466

Previews

White Background



This preview shows how the XYZ color 46.4797, 57.9827, 50.8615 looks on a white background.

Color Contrast Check

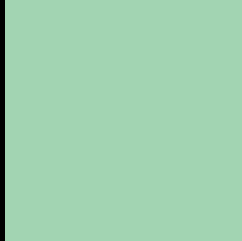
Large Text (above 18pt) WCAG AA × Fail

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 46.4797, 57.9827, 50.8615 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 46.4797, 57.9827, 50.8615

Background



This preview shows how black text looks on a background with the XYZ color 46.4797, 57.9827, 50.8615.



This preview shows how white text looks on a background with the XYZ color 46.4797, 57.9827,

50.8615.

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

46.4797, 57.9827, 50.8615

Protanopia

54.4482, 57.5270, 47.2638

Deuteranopia

58.8775, 57.6861, 52.2873



Tritanopia

51.8337, 57.9626, 77.5632

Trichromacy



Original Color

46.4797, 57.9827, 50.8615

Protanomaly

51.2252, 57.5792, 48.4584

Deuteranomaly

53.6234, 57.3413, 51.9578

Tritanomaly

49.6328, 57.7835, 66.9299

Monochromacy



Original Color

46.4797, 57.9827, 50.8615

Achromatopsia

50.6879, 53.3276, 58.0738

Achromatomaly

49.0228, 54.8845, 55.5869

CSS Examples

Text

The CSS property to change the color of the text to XYZ 46.4797, 57.9827, 50.8615 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(162, 212, 178)` looks like.

```
.text, #text, p{  
    color:rgb(162, 212, 178)  
}
```

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(162, 212, 178) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(162, 212, 178) }
```

Border

The CSS property to change the border of an element to XYZ 46.4797, 57.9827, 50.8615 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(162, 212, 178) }
```


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

```
.border{ border-color:rgb(162, 212, 178) }
```

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

Here you see how a box with a 4 pixel `rgb(162, 212, 178)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(162, 212, 178); -webkit-box-  
shadow:4px 4px 4px 4px rgb(162, 212, 178);  
box-shadow:4px 4px 4px 4px rgb(162, 212,  
178) }
```

Background

The CSS property to change the background color of an element to XYZ 46.4797, 57.9827, 50.8615 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(162, 212, 178) }
```

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

```
.background{ background-color: rgb(162,  
212, 178) }
```

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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