

Converting Colors

XYZ(46.7192, 58.7252, 38.1511)

Have a look what the booklet for
XYZ(46.7192, 58.7252, 38.1511)
contains.

XYZ(46.8357, 58.8215, 38.1633)	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(46.8357, 58.8215,
38.1633)**

Conversions

Conversions Part 1

Format	Color
Hex	AED597
RGB	174, 213, 151
RGB Percent	68%, 84%, 59%
CMY	0.3176, 0.1647, 0.4078
CMYK	0.18, 0.00, 0.29, 0.16
HSL	98°, 42%, 71%
HSV	98°, 29%, 84%
XYZ	46.8357, 58.8215, 38.1633
YIQ	194.2710, -3.3420, -27.5500

Conversions

Conversions Part 2

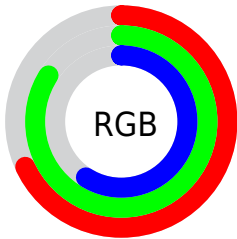
Format	Color
RYB	151, 213, 190
Decimal	11457943
CIELab	81.19, -24.01, 26.56
CIELCh	81, 35.806, 132.112
Yxy	58.8215, 0.3257, 0.4090
Android (android.graphics.Color)	4289648023 (0xFFAED597)
YUV	194.2710, -21.3326, -17.7777
Hunter-Lab	76.6952, -25.2114, 24.1841

Details

The XYZ color **46.8357, 58.8215, 38.1633** is a light color, and the websafe version is hex **99CC99**. A complement of this color would be **44.3145, 37.8861, 67.9310**, and the grayscale version is **51.5638, 54.2492, 59.0774**.

A 20% lighter version of the original color is **79.5337, 92.7992, 72.1127**, and **22.4123, 29.4388, 16.5576** is the 20% darker color. If you saturate the color by 10%, you get **42.4224, 56.7303, 29.7283**, and if you desaturate by 10%, it is **51.8625, 61.1964, 48.2608**.

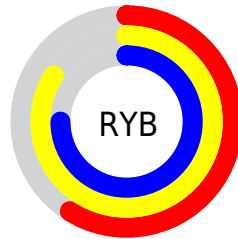
Distribution



Red (68%)

Green (84%)

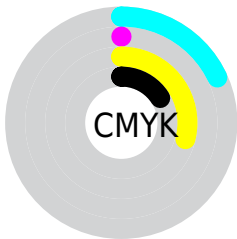
Blue (59%)



Red (59%)

Yellow (84%)

Blue (75%)

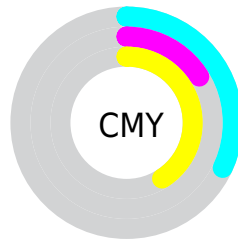


Cyan (18%)

Magenta (0%)

Yellow (29%)

Black (16%)



Cyan (32%)


Magenta (16%)

Yellow (41%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 46.8357, 58.8215, 38.1633 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 46.8357, 58.8215, 38.1633 by changing the saturation by 10% instead.


 46.8357, 58.8215,
38.1633


 46.8357, 58.8215,
38.1633


364.8182,
420.2401, 353.6391

 33.1132, 42.4694,
25.8066


 84.6886, 103.1182,
73.5646

 22.3728, 29.4691,
16.4546


 109.5496,
131.8316, 97.4462

 14.2492, 19.4359,
9.6886


138.8542,
165.4343, 126.0067

 8.3771, 11.9857,
5.0901

172.9678,
204.3106, 159.6644

 4.3910, 6.7339,
2.2405

212.2556,
248.8449, 198.8380

 1.9256, 3.2963,
0.6976

257.0830,

 0.5917, 1.2883,

299.4217, 243.9459

0.0000

307.8154,
356.4253, 295.4068

■ 0.0000, 0.1321,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 46.8357, 58.8215,
38.1633

■ 46.8357, 58.8215,
38.1633

■ 42.4224, 56.7303,
29.7283

■ 51.8625, 61.1964,
48.2608

■ 38.5924, 54.9038,
22.8630

■ 57.5220, 63.8578,
60.0995

■ 35.3199, 53.3327,
17.4711

■ 63.8385, 66.8183,
73.7575

■ 32.5746, 52.0038,
13.4443

■ 70.8331, 70.0872,
89.3071

■ 30.3233, 50.9025,
10.6594

■ 78.1204, 73.5113,
104.6795

■ 28.5277, 50.0123,
8.9709

■ 82.8641, 75.9568,
104.9015

■ 27.1314, 49.3094,
8.1422

■ 83.0854, 76.0709,
104.9118

■ 27.0207, 49.2536,
8.0828

Harmonies

Analogous

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



52.9539, 58.8215, 31.7080



46.8357, 58.8215, 38.1633



43.3455, 58.8215, 52.2458

Triad

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



46.8357, 58.8215, 38.1633



51.6195, 58.8215, 111.5994



71.1279, 58.8215, 55.8130

Complementary

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



46.8357, 58.8215, 38.1633



44.3145, 37.8861, 67.9310

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.



70.6898, 58.8215, 77.5026



46.8357, 58.8215, 38.1633



58.9701, 58.8215, 113.1571

Square

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



46.8357, 58.8215, 38.1633



45.9338, 58.8215, 95.7099



66.0823, 58.8215, 99.5849



67.2308, 58.8215, 40.2725

Rectangle

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



46.8357, 58.8215, 38.1633



42.7715, 58.8215, 65.5714



66.0823, 58.8215, 99.5849



71.4917, 58.8215, 62.5456

Sweetspot

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



46.8372, 58.8240, 38.1646



86.4592, 95.9730, 90.3489



51.2766, 52.8785, 36.7830



18.2251, 20.4103, 18.7424



0.0000, 0.0000, 0.0000



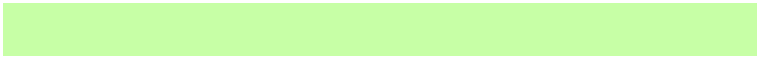
20.3446, 21.4041, 23.3091

Same Dimension

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



46.8372, 58.8240, 38.1646



66.1349, 86.3864, 49.1448



42.7502, 56.6471, 41.1350



12.6932, 14.1180, 13.2168



16.6084, 30.1383, 4.9419



1.0917, 1.8642, 0.3023

Inverse Universe

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



44.3145, 37.8861, 67.9310



61.7327, 49.9146, 100.9885



49.6216, 40.7258, 63.4923



12.4858, 12.3918, 15.6713



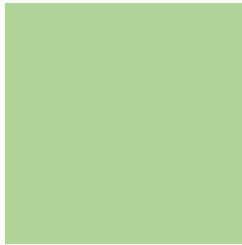
13.4572, 6.0900, 38.9194



0.9017, 0.4137, 2.3516

Previews

White Background



This preview shows how the XYZ color 46.8357, 58.8215, 38.1633 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 46.8357, 58.8215, 38.1633 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

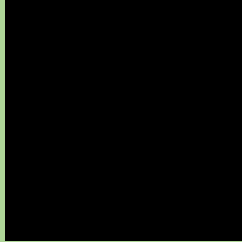
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 46.8357, 58.8215, 38.1633

Background



This preview shows how black text looks on a background with the XYZ color 46.8357, 58.8215, 38.1633.

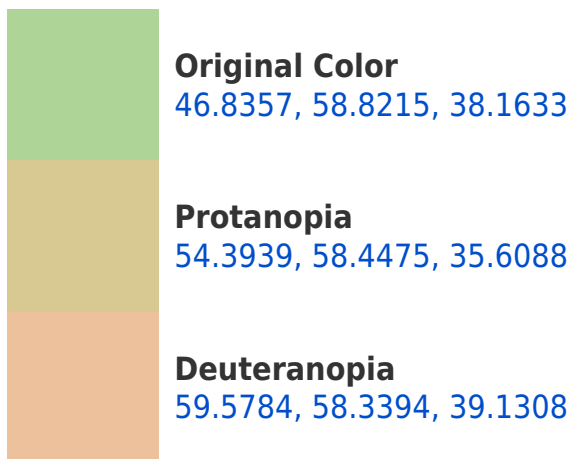


This preview shows how white text looks on a background with the XYZ color 46.8357, 58.8215,

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

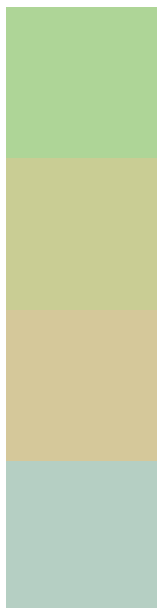




Tritanopia

54.5187, 58.6673, 76.1606

Trichromacy



Original Color

46.8357, 58.8215, 38.1633

Protanomaly

51.2640, 58.2183, 36.5523

Deuteranomaly

53.9276, 57.7878, 38.8837

Tritanomaly

51.2192, 58.3895, 60.2005

Monochromacy



Original Color

46.8357, 58.8215, 38.1633

Achromatopsia

51.2775, 53.9479, 58.7493

Achromatomaly

49.4160, 55.5524, 50.2377

CSS Examples

Text

The CSS property to change the color of the text to XYZ 46.8357, 58.8215, 38.1633 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(174, 213, 151)` looks like.

```
.text, #text, p{  
    color:rgb(174, 213, 151)  
}
```

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(174, 213, 151) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(174, 213, 151) }
```

Border

The CSS property to change the border of an element to XYZ 46.8357, 58.8215, 38.1633 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(174, 213, 151) }
```


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

```
.border{ border-color:rgb(174, 213, 151) }
```

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

Here you see how a box with a 4 pixel `rgb(174, 213, 151)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(174, 213, 151); -webkit-box-  
shadow:4px 4px 4px 4px rgb(174, 213, 151);  
box-shadow:4px 4px 4px 4px rgb(174, 213,  
151) }
```

Background

The CSS property to change the background color of an element to XYZ 46.8357, 58.8215, 38.1633 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(174, 213, 151) }
```

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

```
.background{ background-color: rgb(174,  
213, 151) }
```

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