

Converting Colors

XYZ(46.5190, 58.9105, 34.9585)

Have a look what the booklet for
XYZ(46.5190, 58.9105, 34.9585)
contains.

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Color

**XYZ(46.4314, 58.6856,
34.8669)**

Conversions

Conversions Part 1

Format	Color
Hex	AFD58F
RGB	175, 213, 143
RGB Percent	69%, 84%, 56%
CMY	0.3137, 0.1647, 0.4392
CMYK	0.18, 0.00, 0.33, 0.16
HSL	93°, 45%, 70%
HSV	93°, 33%, 84%
XYZ	46.4314, 58.6856, 34.8669
YIQ	193.6580, -0.1780, -29.8260

Conversions

Conversions Part 2

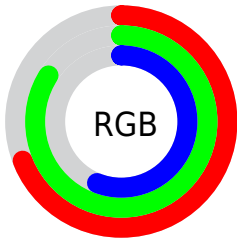
Format	Color
RYB	143, 213, 181
Decimal	11523471
CIELab	81.12, -24.83, 30.62
CIElCh	81, 39.417, 129.040
Yxy	58.6856, 0.3317, 0.4192
Android (android.graphics.Color)	4289713551 (0xFFAFD58F)
YUV	193.6580, -24.9744, -16.3631
Hunter-Lab	76.6065, -25.8721, 26.6392

Details

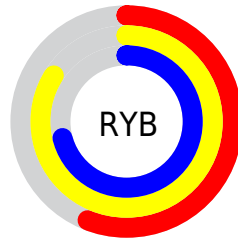
The XYZ color **46.4314, 58.6856, 34.8669** is a light color, and the websafe version is hex **99CC99**. A complement of this color would be **40.8912, 34.2744, 67.4144**, and the grayscale version is **51.2203, 53.8878, 58.6838**.

A 20% lighter version of the original color is **78.7930, 92.5401, 66.5325**, and **22.0438, 29.2914, 14.6172** is the 20% darker color. If you saturate the color by 10%, you get **42.4837, 56.8214, 27.0441**, and if you desaturate by 10%, it is **50.9108, 60.7921, 44.3162**.

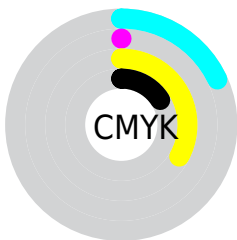
Distribution



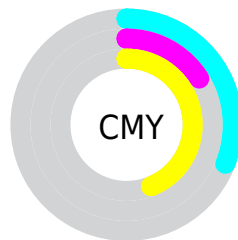
- Red (69%)
- Green (84%)
- Blue (56%)



- Red (56%)
- Yellow (84%)
- Blue (71%)



- Cyan (18%)
- Magenta (0%)
- Yellow (33%)
- Black (16%)





- Cyan (31%)
- Magenta (16%)
- Yellow (44%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 46.4314, 58.6856, 34.8669 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 46.4314, 58.6856, 34.8669 by changing the saturation by 10% instead.


 46.4314, 58.6856,
34.8669

 46.4314, 58.6856,
34.8669


363.2272,
419.7358, 338.8668

 32.7924, 42.3601,
23.2776


 84.0882, 102.9206,
68.4288

 22.1260, 29.3833,
14.5914


 108.8367,
131.5988, 91.2384

 14.0666, 19.3710,
8.3897

138.0191,
165.1634, 118.6253

 8.2490, 11.9387,
4.2540

172.0008,
203.9988, 151.0079

 4.3078, 6.7019,
1.7657

211.1471,
248.4893, 188.8049

 1.8777, 3.2764,
0.4052

255.8234,

 0.5638, 1.2777,

299.0194, 232.4346

0.0000

306.3950,
355.9734, 282.3158

■ 0.0000, 0.1238,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 46.4314, 58.6856,
34.8669

■ 46.4314, 58.6856,
34.8669

■ 42.4837, 56.8214,
27.0441

■ 50.9108, 60.7921,
44.3162

■ 39.0403, 55.1819,
20.7522

■ 55.9388, 63.1424,
55.4729

■ 36.0778, 53.7592,
15.8915

■ 61.5370, 65.7477,
68.4170

■ 33.5687, 52.5415,
12.3487

■ 67.7243, 68.6161,
83.2222

■ 31.4820, 51.5158,
9.9936

■ 74.5188, 71.7554,
99.9584

■ 29.7816, 50.6667,
8.6694

■ 79.2871, 74.1128,
104.7341

■ 28.7642, 50.1524,
8.1643

■ 83.0854, 76.0709,
104.9118

Harmonies

Analogous

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



53.3397, 58.6856, 28.8910



46.4314, 58.6856, 34.8669



42.3208, 58.6856, 49.0774

Triad

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



46.4314, 58.6856, 34.8669



50.3302, 58.6856, 115.9807



72.8317, 58.6856, 57.0675

Complementary

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



46.4314, 58.6856, 34.8669



40.8912, 34.2744, 67.4144

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.



71.8246, 58.6856, 81.4385



46.4314, 58.6856, 34.8669



58.2914, 58.6856, 119.6274

Square

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



46.4314, 58.6856, 34.8669



44.4138, 58.6856, 96.7442



66.3036, 58.6856, 105.7473



68.9341, 58.6856, 39.4817

Rectangle

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



46.4314, 58.6856, 34.8669



41.4612, 58.6856, 63.1454



66.3036, 58.6856, 105.7473



73.0631, 58.6856, 64.6579

Sweetspot

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



46.4329, 58.6882, 34.8682



86.3018, 95.9334, 88.4637



48.7894, 48.9088, 32.8564



18.2243, 20.4182, 18.3683



0.0000, 0.0000, 0.0000



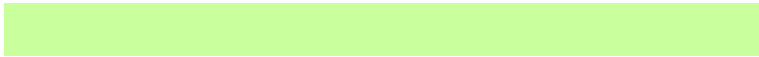
20.3446, 21.4041, 23.3091

Same Dimension

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



46.4329, 58.6882, 34.8682



65.8125, 86.3239, 44.4466



40.2603, 55.4854, 35.5118



12.7963, 14.1712, 13.2216



17.6844, 30.6930, 4.9923



1.1614, 1.9001, 0.3055

Inverse Universe

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



40.8912, 34.2744, 67.4144



56.3109, 44.4805, 100.2254



48.9814, 38.4791, 66.2578



12.3803, 12.3375, 15.6664



11.8257, 5.2489, 38.8430



0.8082, 0.3655, 2.3473

Previews

White Background



This preview shows how the XYZ color 46.4314, 58.6856, 34.8669 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 46.4314, 58.6856, 34.8669 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 46.4314, 58.6856, 34.8669

Background



This preview shows how black text looks on a background with the XYZ color 46.4314, 58.6856, 34.8669.



This preview shows how white text looks on a background with the XYZ color 46.4314, 58.6856,

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

46.4314, 58.6856, 34.8669

Protanopia

54.0894, 58.3600, 32.4585

Deuteranopia

59.5963, 58.4237, 35.7396



Tritanopia

54.5239, 58.3183, 76.0930

Trichromacy



Original Color

46.4314, 58.6856, 34.8669

Protanomaly

50.9221, 58.1126, 33.3439

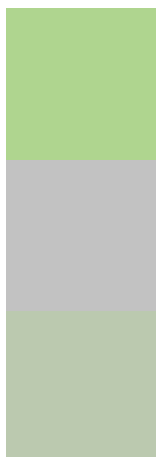
Deuteranomaly

53.8669, 57.8309, 35.5175

Tritanomaly

51.1187, 58.3765, 58.4427

Monochromacy



Original Color

46.4314, 58.6856, 34.8669

Achromatopsia

51.2775, 53.9479, 58.7493

Achromatomaly

49.1180, 55.4332, 48.6683

CSS Examples

Text

The CSS property to change the color of the text to XYZ 46.4314, 58.6856, 34.8669 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(175, 213, 143)` looks like.

```
.text, #text, p{  
    color:rgb(175, 213, 143)  
}
```

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(175, 213, 143) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(175, 213, 143) }
```

Border

The CSS property to change the border of an element to XYZ 46.4314, 58.6856, 34.8669 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(175, 213, 143) }
```


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

```
.border{ border-color:rgb(175, 213, 143) }
```

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

Here you see how a box with a 4 pixel `rgb(175, 213, 143)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(175, 213, 143); -webkit-box-  
shadow:4px 4px 4px 4px rgb(175, 213, 143);  
box-shadow:4px 4px 4px 4px rgb(175, 213,  
143) }
```

Background

The CSS property to change the background color of an element to XYZ 46.4314, 58.6856, 34.8669 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(175, 213, 143) }
```

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

```
.background{ background-color: rgb(175,  
213, 143) }
```

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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