

Converting Colors

XYZ(46.7647, 59.2522, 34.1780)

Have a look what the booklet for
XYZ(46.7647, 59.2522, 34.1780)
contains.

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Color

**XYZ(46.7588, 59.2463,
34.1705)**

Conversions

Conversions Part 1

Format	Color
Hex	B0D68D
RGB	176, 214, 141
RGB Percent	69%, 84%, 55%
CMY	0.3098, 0.1608, 0.4471
CMYK	0.18, 0.00, 0.34, 0.16
HSL	91°, 47%, 70%
HSV	91°, 34%, 84%
XYZ	46.7588, 59.2463, 34.1705
YIQ	194.3160, 0.7850, -30.7590

Conversions

Conversions Part 2

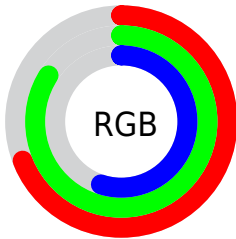
Format	Color
RYB	141, 214, 179
Decimal	11589261
CIELab	81.43, -25.23, 32.06
CIELCh	81, 40.802, 128.201
Yxy	59.2463, 0.3336, 0.4227
Android (android.graphics.Color)	4289779341 (0xFFB0D68D)
YUV	194.3160, -26.2848, -16.0631
Hunter-Lab	76.9716, -26.2650, 27.5591

Details

The XYZ color **46.7588, 59.2463, 34.1705** is a light color, and the websafe version is hex **99CC99**. A complement of this color would be **40.2552, 33.4901, 67.9641**, and the grayscale version is **51.6173, 54.3054, 59.1386**.

A 20% lighter version of the original color is **78.8890, 92.6159, 65.3485**, and **22.2696, 29.6720, 14.2264** is the 20% darker color. If you saturate the color by 10%, you get **42.9017, 57.4263, 26.4660**, and if you desaturate by 10%, it is **51.1334, 61.3012, 43.5077**.

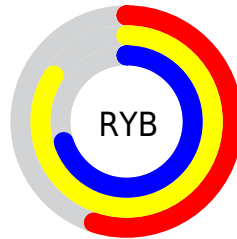
Distribution



Red (69%)

Green (84%)

Blue (55%)



Red (55%)

Yellow (84%)

Blue (70%)

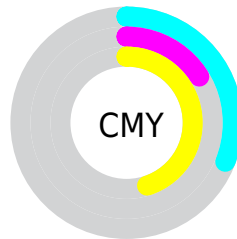


Cyan (18%)

Magenta (0%)

Yellow (34%)

Black (16%)



Cyan (31%)

Magenta (16%)

Yellow (45%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 46.7588, 59.2463, 34.1705 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 46.7588, 59.2463, 34.1705 by changing the saturation by 10% instead.

■ 46.7588, 59.2463,
34.1705

■ 46.7588, 59.2463,
34.1705

364.5159,
421.8141, 335.6840

■ 33.0522, 42.8114,
22.7462

■ 84.5744, 103.7356,
67.3356

■ 22.3258, 29.7372,
14.2027

■ 109.4141,
132.5587, 89.9136

■ 14.2145, 19.6392,
8.1214

■ 138.6955,
166.2801, 117.0464

■ 8.3527, 12.1330,
4.0838

172.7840,
205.2841, 149.1528

■ 4.3751, 6.8344,
1.6715

212.0449,
249.9551, 186.6512

■ 1.9165, 3.3587,
0.3411

256.8437,

■ 0.5864, 1.3218,

300.6775, 229.9602

0.0000

307.5456,
357.8357, 279.4982

■ 0.0000, 0.1580,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 46.7588, 59.2463,
34.1705

■ 46.7588, 59.2463,
34.1705

■ 42.9017, 57.4263,
26.4660

■ 51.1334, 61.3012,
43.5077

■ 39.5349, 55.8237,
20.2965

■ 56.0420, 63.5921,
54.5600

■ 36.6351, 54.4306,
15.5596

■ 61.5062, 66.1303,
67.4092

■ 34.1750, 53.2355,
12.1392

■ 67.5444, 68.9235,
82.1304

■ 32.1235, 52.2254,
9.9008

■ 74.1746, 71.9795,
98.7946

■ 30.4438, 51.3847,
8.6810

■ 79.0065, 74.3427,
104.7932

■ 29.5952, 50.9553,
8.2755

■ 82.9657, 76.3837,
104.9785

■ 83.3378, 76.5755,
104.9959

Harmonies

Analogous

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



54.0028, 59.2463, 28.2711



46.7588, 59.2463, 34.1705



42.4051, 59.2463, 48.5796

Triad

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



46.7588, 59.2463, 34.1705



50.4337, 59.2463, 118.7400



74.1704, 59.2463, 58.0334

Complementary

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



46.7588, 59.2463, 34.1705



40.2552, 33.4901, 67.9641

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.



72.9683, 59.2463, 83.5880



46.7588, 59.2463, 34.1705



58.6858, 59.2463, 123.1196

Square

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



46.7588, 59.2463, 34.1705



44.3727, 59.2463, 98.1657



67.0847, 59.2463, 108.9510



70.2207, 59.2463, 39.5865

Rectangle

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



46.7588, 59.2463, 34.1705



41.4476, 59.2463, 63.0444



67.0847, 59.2463, 108.9510



74.3626, 59.2463, 65.9964

Sweetspot

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



46.7603, 59.2489, 34.1718



86.4964, 96.0338, 88.4728



48.6049, 48.3481, 31.9705



18.2713, 20.4424, 18.3705



0.0000, 0.0000, 0.0000



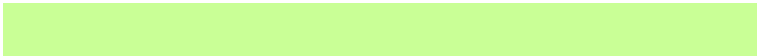
20.3446, 21.4041, 23.3091

Same Dimension

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



46.7603, 59.2489, 34.1718



65.2741, 86.0949, 42.2222



39.9316, 55.7180, 34.3275



12.8232, 14.1851, 13.2228



18.0063, 30.8589, 5.0073



1.1813, 1.9104, 0.3065

Inverse Universe

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



40.2552, 33.4901, 67.9641



54.1713, 42.1383, 99.8861



49.2415, 38.1406, 67.5764



12.3532, 12.3235, 15.6651



11.4506, 5.0555, 38.8255



0.7860, 0.3541, 2.3462

Previews

White Background



This preview shows how the XYZ color 46.7588, 59.2463, 34.1705 looks on a white background.

Color Contrast Check

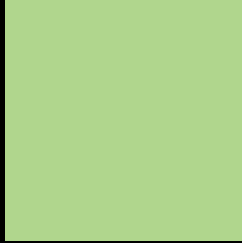
Large Text (above 18pt) WCAG AA × Fail

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 46.7588, 59.2463, 34.1705 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 46.7588, 59.2463, 34.1705

Background



This preview shows how black text looks on a background with the XYZ color 46.7588, 59.2463, 34.1705.

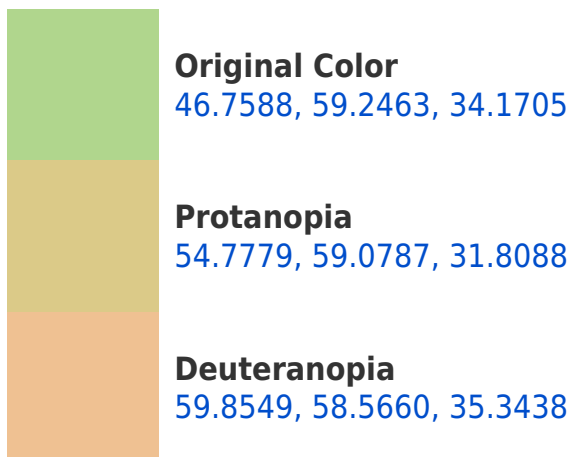


This preview shows how white text looks on a background with the XYZ color 46.7588, 59.2463,

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

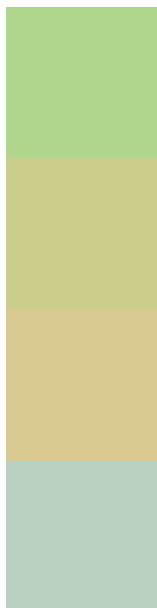




Tritanopia

55.2502, 59.0444, 76.1949

Trichromacy



Original Color

46.7588, 59.2463, 34.1705

Protanomaly

51.2874, 58.6741, 32.6669

Deuteranomaly

54.2396, 58.3858, 34.7964

Tritanomaly

51.7270, 59.0637, 57.9643

Monochromacy



Original Color

46.7588, 59.2463, 34.1705

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 46.7588, 59.2463, 34.1705 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(176, 214, 141)` looks like.

```
.text, #text, p{  
    color:rgb(176, 214, 141)  
}
```

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(176, 214, 141) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(176, 214, 141) }
```

Border

The CSS property to change the border of an element to XYZ 46.7588, 59.2463, 34.1705 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(176, 214, 141) }
```


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

```
.border{ border-color:rgb(176, 214, 141) }
```

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

Here you see how a box with a 4 pixel `rgb(176, 214, 141)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(176, 214, 141); -webkit-box-  
shadow:4px 4px 4px 4px rgb(176, 214, 141);  
box-shadow:4px 4px 4px 4px rgb(176, 214,  
141) }
```

Background

The CSS property to change the background color of an element to XYZ 46.7588, 59.2463, 34.1705 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(176, 214, 141) }
```

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

```
.background{ background-color: rgb(176,  
214, 141) }
```

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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