

Converting Colors

XYZ(46.2809, 58.7307, 29.3190)

Have a look what the booklet for
XYZ(46.2809, 58.7307, 29.3190)
contains.

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Color

**XYZ(46.2809, 58.7307,
29.3190)**

Conversions

Conversions Part 1

Format	Color
Hex	B3D580
RGB	179, 213, 128
RGB Percent	70%, 84%, 50%
CMY	0.2980, 0.1647, 0.4980
CMYK	0.16, 0.00, 0.40, 0.16
HSL	84°, 50%, 67%
HSV	84°, 40%, 84%
XYZ	46.2809, 58.7307, 29.3190
YIQ	193.1440, 7.0210, -33.6430

Conversions

Conversions Part 2

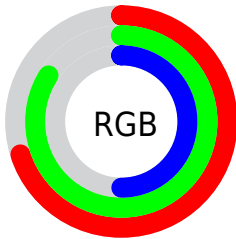
Format	Color
RYB	128, 213, 162
Decimal	11785600
CIELab	81.14, -25.36, 38.34
CIELCh	81, 45.968, 123.484
Yxy	58.7307, 0.3445, 0.4372
Android (android.graphics.Color)	4289975680 (0xFFB3D580)
YUV	193.1440, -32.1160, -12.4043
Hunter-Lab	76.6360, -26.3157, 30.9623

Details

The XYZ color **46.2809, 58.7307, 29.3190** is a light color, and the websafe version is hex **99CC66**. A complement of this color would be **34.6322, 27.9255, 66.5189**, and the grayscale version is **50.9546, 53.6083, 58.3794**.

A 20% lighter version of the original color is **78.7956, 92.7303, 58.0017**, and **22.0239, 29.3495, 11.5254** is the 20% darker color. If you saturate the color by 10%, you get **43.1150, 57.2458, 22.6050**, and if you desaturate by 10%, it is **49.8658, 60.4013, 37.5912**.

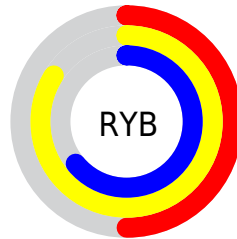
Distribution



Red (70%)

Green (84%)

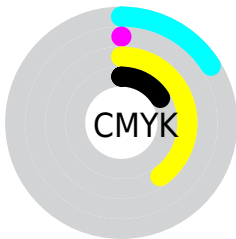
Blue (50%)



Red (50%)

Yellow (84%)

Blue (64%)

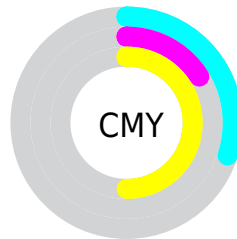


Cyan (16%)

Magenta (0%)

Yellow (40%)

Black (16%)



Cyan (30%)

Magenta (16%)

Yellow (50%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 46.2809, 58.7307, 29.3190 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 46.2809, 58.7307, 29.3190 by changing the saturation by 10% instead.

■ 46.2809, 58.7307,
29.3190

■ 46.2809, 58.7307,
29.3190

362.6338,
419.9032, 312.8250

■ 32.6731, 42.3964,
19.0746

■ 83.8645, 102.9862,
59.6318

■ 22.0342, 29.4118,
11.5469

■ 108.5711,
131.6761, 80.5372

■ 13.9988, 19.3926,
6.3172

■ 137.7079,
165.2533, 105.8334

■ 8.2015, 11.9543,
2.9670

171.6404,
204.1023, 135.9390

■ 4.2770, 6.7125,
1.0778

210.7338,
248.6074, 171.2723

■ 1.8600, 3.2830,
0.0000

255.3537,

■ 0.5534, 1.2812,

299.1530, 212.2521

0.0000

305.8652,
356.1234, 259.2968

■ 0.0000, 0.1266,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 46.2809, 58.7307,
29.3190

■ 46.2809, 58.7307,
29.3190

■ 43.1150, 57.2458,
22.6050

■ 49.8658, 60.4013,
37.5912

■ 40.3429, 55.9302,
17.3475


■ 53.8844, 62.2576,
47.5071


■ 37.9432, 54.7772,
13.4388


■ 58.3559, 64.3097,
59.1507


■ 35.8900, 53.7760,
10.7546


■ 63.2969, 66.5643,
72.5991


 34.1530, 52.9143,
9.1475


 68.7231, 69.0280,
87.9245


 32.6796, 52.1708,
8.3533

 74.5195, 71.6550,
104.5109

 32.6665, 52.1642,
8.3470

 77.3235, 73.1006,
104.6422

 80.2631, 74.6160,
104.7797

 83.0855, 76.0710,
104.9118

Harmonies

Analogous

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



54.7120, 58.7307, 24.4756



46.2809, 58.7307, 29.3190



40.9342, 58.7307, 43.2039

Triad

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



46.2809, 58.7307, 29.3190



48.0097, 58.7307, 123.5785



76.2566, 58.7307, 60.8013

Complementary

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



46.2809, 58.7307, 29.3190



34.6322, 27.9255, 66.5189

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.



73.9413, 58.7307, 90.4520



46.2809, 58.7307, 29.3190



56.9464, 58.7307, 132.2141

Square

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



46.2809, 58.7307, 29.3190



41.8494, 58.7307, 97.6163



66.5913, 58.7307, 118.6807



72.6020, 58.7307, 39.0760

Rectangle

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



46.2809, 58.7307, 29.3190



39.4759, 58.7307, 58.1568



66.5913, 58.7307, 118.6807



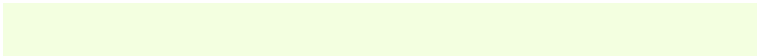
76.1522, 58.7307, 70.1109

Sweetspot

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



46.2824, 58.7333, 29.3203



86.1478, 95.9353, 84.7827



44.2594, 41.5473, 26.1097



18.2452, 20.4452, 17.6368



0.0000, 0.0000, 0.0000



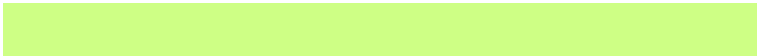
20.3446, 21.4041, 23.3091

Same Dimension

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



46.2824, 58.7333, 29.3203



65.4292, 86.3291, 35.2604



37.9271, 54.4260, 28.9292



12.9698, 14.2607, 13.2297



20.0712, 31.9234, 5.1040



1.3029, 1.9730, 0.3122

Inverse Universe

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



34.6322, 27.9255, 66.5189



45.5718, 33.7780, 98.7257



44.7708, 33.1522, 66.9934



12.2081, 12.2487, 15.6583



9.7446, 4.1760, 38.7456



0.6798, 0.2993, 2.3413

Previews

White Background



This preview shows how the XYZ color 46.2809, 58.7307, 29.3190 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 46.2809, 58.7307, 29.3190 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

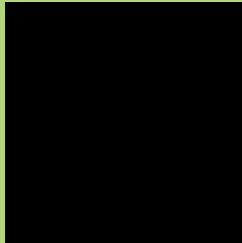
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 46.2809, 58.7307, 29.3190

Background



This preview shows how black text looks on a background with the XYZ color 46.2809, 58.7307, 29.3190.

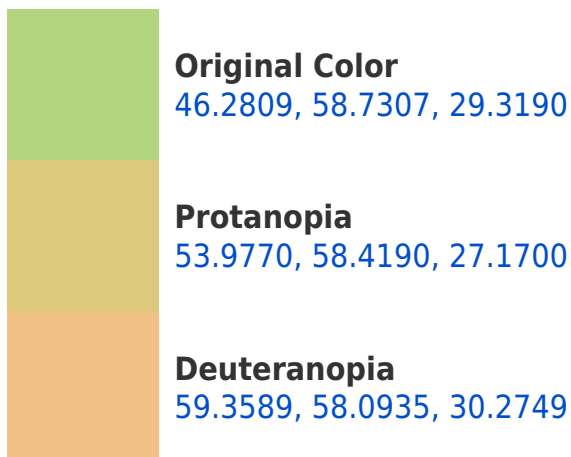


This preview shows how white text looks on a background with the XYZ color 46.2809, 58.7307,

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

55.2613, 58.3794, 74.6854

Trichromacy



Original Color

46.2809, 58.7307, 29.3190

Protanomaly

50.7098, 58.1224, 27.9481

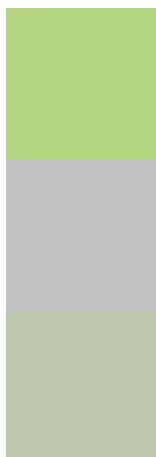
Deuteranomaly

53.6645, 57.8527, 29.8110

Tritanomaly

51.3218, 58.2102, 54.4297

Monochromacy



Original Color

46.2809, 58.7307, 29.3190

Achromatopsia

50.6879, 53.3276, 58.0738

Achromatomaly

48.5547, 54.8645, 45.5669

CSS Examples

Text

The CSS property to change the color of the text to XYZ 46.2809, 58.7307, 29.3190 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(179, 213, 128)` looks like.

```
.text, #text, p{  
    color:rgb(179, 213, 128)  
}
```

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(179, 213, 128) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(179, 213, 128) }
```

Border

The CSS property to change the border of an element to XYZ 46.2809, 58.7307, 29.3190 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(179, 213, 128) }
```


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

```
.border{ border-color:rgb(179, 213, 128) }
```

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

Here you see how a box with a 4 pixel `rgb(179, 213, 128)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(179, 213, 128); -webkit-box-  
shadow:4px 4px 4px 4px rgb(179, 213, 128);  
box-shadow:4px 4px 4px 4px rgb(179, 213,  
128) }
```

Background

The CSS property to change the background color of an element to XYZ 46.2809, 58.7307, 29.3190 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(179, 213, 128) }
```

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

```
.background{ background-color: rgb(179,  
213, 128) }
```

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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