

Converting Colors

XYZ(46.6909, 58.1440, 23.8752)

Have a look what the booklet for
XYZ(46.6909, 58.1440, 23.8752)
contains.

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Color

**XYZ(46.9025, 58.4276,
23.8446)**

Conversions

Conversions Part 1

Format	Color
Hex	BCD36F
RGB	188, 211, 111
RGB Percent	74%, 83%, 44%
CMY	0.2627, 0.1725, 0.5647
CMYK	0.11, 0.00, 0.47, 0.17
HSL	74°, 53%, 63%
HSV	74°, 47%, 83%
XYZ	46.9025, 58.4276, 23.8446
YIQ	192.7230, 18.3920, -35.9760

Conversions

Conversions Part 2

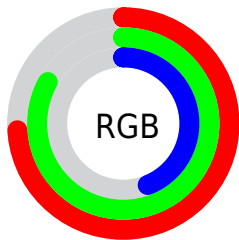
Format	Color
RYB	111, 211, 134
Decimal	12374895
CIELab	80.98, -22.89, 46.65
CIElCh	81, 51.960, 116.133
Yxy	58.4276, 0.3631, 0.4523
Android (android.graphics.Color)	4290564975 (0xFFBCD36F)
YUV	192.7230, -40.2894, -4.1421
Hunter-Lab	76.4379, -24.2384, 35.0112

Details

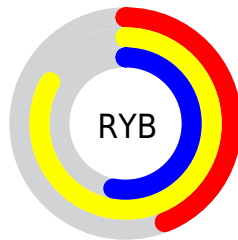
The XYZ color **46.9025, 58.4276, 23.8446** is a light color, and the websafe version is hex **CCCC66**. A complement of this color would be **27.2762, 21.1420, 64.2747**, and the grayscale version is **50.7486, 53.3915, 58.1434**.

A 20% lighter version of the original color is **80.5576, 93.8294, 49.4624**, and **22.3769, 29.0897, 8.7105** is the 20% darker color. If you saturate the color by 10%, you get **44.6999, 57.4128, 18.3769**, and if you desaturate by 10%, it is **49.4226, 59.5782, 30.7618**.

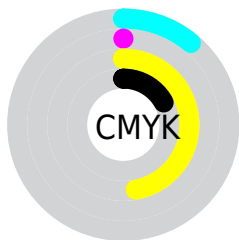
Distribution



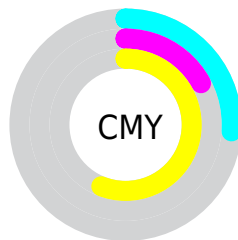
- Red (74%)
- Green (83%)
- Blue (44%)



- Red (44%)
- Yellow (83%)
- Blue (53%)



- Cyan (11%)
- Magenta (0%)
- Yellow (47%)
- Black (17%)





- Cyan (26%)
- Magenta (17%)
- Yellow (56%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 46.9025, 58.4276, 23.8446 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 46.9025, 58.4276, 23.8446 by changing the saturation by 10% instead.


 46.9025, 58.4276,
23.8446

 46.9025, 58.4276,
23.8446


365.0806,
418.7774, 285.2951

 33.1662, 42.1525,
15.0073


 84.7877, 102.5453,
50.7171


 22.4136, 29.2207,
8.6778


 109.6673,
131.1567, 69.5894

 14.2795, 19.2479,
4.4377


 138.9921,
164.6489, 92.6437

 8.3983, 11.8495,
1.8684

 173.1273,
203.4065, 120.2987

 4.4048, 6.6413,
0.4725

212.4385,
247.8137, 152.9727

 1.9336, 3.2388,
0.0000

257.2908,

 0.5962, 1.2576,

298.2550, 191.0844

0.0000

308.0498,
355.1148, 235.0524

■ 0.0000, 0.1080,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 46.9025, 58.4276,
23.8446

■ 46.9025, 58.4276,
23.8446

■ 44.6999, 57.4128,
18.3769

■ 49.4226, 59.5782,
30.7618

■ 42.7906, 56.5178,
14.2518


■ 52.2740, 60.8639,
39.2182

■ 41.1533, 55.7362,
11.3533


■ 55.4748, 62.2942,
49.3004

■ 39.7616, 55.0574,
9.5443


■ 59.0404, 63.8751,
61.0876


 38.5796, 54.4669,
8.6377


 62.9852, 65.6125,
74.6538

 38.2902, 54.3211,
8.4669

 67.3227, 67.5119,
90.0686

 71.4633, 69.3374,
104.2247

 72.9715, 70.1149,
104.2953

 74.5229, 70.9147,
104.3679

Harmonies

Analogous

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



56.9422, 58.4276, 20.8939



46.9025, 58.4276, 23.8446



40.0518, 58.4276, 35.9593

Triad

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



46.9025, 58.4276, 23.8446



44.7739, 58.4276, 126.6653



78.8645, 58.4276, 67.7025

Complementary

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



46.9025, 58.4276, 23.8446



27.2762, 21.1420, 64.2747

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.



74.5652, 58.4276, 102.7241



46.9025, 58.4276, 23.8446



54.1486, 58.4276, 143.0368

Square

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



46.9025, 58.4276, 23.8446



38.9389, 58.4276, 93.4797



65.1637, 58.4276, 133.1025



76.2782, 58.4276, 40.9070

Rectangle

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



46.9025, 58.4276, 23.8446



37.7567, 58.4276, 50.4350



65.1637, 58.4276, 133.1025



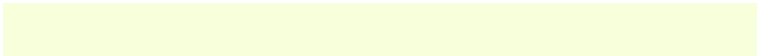
78.1635, 58.4276, 78.9180

Sweetspot

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



46.9039, 58.4302, 23.8458



86.8685, 96.3858, 81.2509



38.0773, 31.6823, 19.1482



18.3455, 20.5204, 16.5819



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.



46.9039, 58.4302, 23.8458



68.5457, 88.0987, 28.0441



36.8688, 53.2569, 23.3762



12.5264, 13.6548, 12.5875



23.2001, 32.8290, 5.1139



1.3637, 1.8699, 0.2890

Inverse Universe

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



27.2762, 21.1420, 64.2747



34.9312, 24.1440, 97.4269



36.8936, 26.0999, 64.7248



11.4146, 11.5470, 14.8708



7.9219, 3.2642, 37.4050



0.5142, 0.2193, 2.0948

Previews

White Background



This preview shows how the XYZ color 46.9025, 58.4276, 23.8446 looks on a white background.

Color Contrast Check

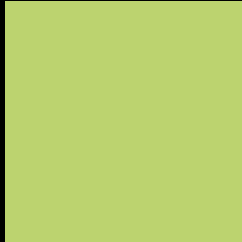
Large Text (above 18pt) WCAG AA × Fail

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 46.9025, 58.4276, 23.8446 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

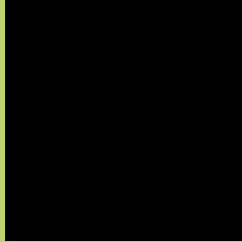
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 46.9025, 58.4276, 23.8446

Background



This preview shows how black text looks on a background with the XYZ color 46.9025, 58.4276, 23.8446.



This preview shows how white text looks on a background with the XYZ color 46.9025, 58.4276,

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

46.9025, 58.4276, 23.8446

Protanopia

53.3593, 58.2070, 22.3327

Deuteranopia

59.0914, 57.7557, 24.5565



Tritanopia

56.7766, 58.1707, 72.5256

Trichromacy



Original Color

46.9025, 58.4276, 23.8446

Protanomaly

50.8326, 58.3007, 22.7613

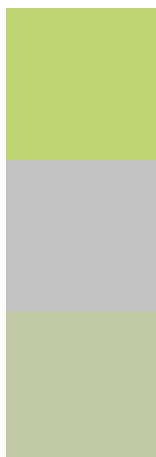
Deuteranomaly

53.9718, 57.4504, 24.1640

Tritanomaly

52.0567, 57.6220, 49.9734

Monochromacy



Original Color

46.9025, 58.4276, 23.8446

Achromatopsia

50.6879, 53.3276, 58.0738

Achromatomaly

48.7510, 55.0293, 42.7026

CSS Examples

Text

The CSS property to change the color of the text to XYZ 46.9025, 58.4276, 23.8446 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(188, 211, 111)` looks like.

```
.text, #text, p{  
    color:rgb(188, 211, 111)  
}
```

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(188, 211, 111) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(188, 211, 111) }
```

Border

The CSS property to change the border of an element to XYZ 46.9025, 58.4276, 23.8446 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(188, 211, 111) }
```


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

```
.border{ border-color:rgb(188, 211, 111) }
```

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

Here you see how a box with a 4 pixel `rgb(188, 211, 111)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(188, 211, 111); -webkit-box-  
shadow:4px 4px 4px 4px rgb(188, 211, 111);  
box-shadow:4px 4px 4px 4px rgb(188, 211,  
111) }
```

Background

The CSS property to change the background color of an element to XYZ 46.9025, 58.4276, 23.8446 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(188, 211, 111) }
```

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

```
.background{ background-color: rgb(188,  
211, 111) }
```

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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