

Converting Colors

XYZ(46.9096, 57.3124, 27.1451)

Have a look what the booklet for
XYZ(46.9096, 57.3124, 27.1451)
contains.

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Color

**XYZ(46.8078, 57.2083,
26.9876)**

Conversions

Conversions Part 1

Format	Color
Hex	BCD07A
RGB	188, 208, 122
RGB Percent	74%, 82%, 48%
CMY	0.2627, 0.1843, 0.5216
CMYK	0.10, 0.00, 0.41, 0.18
HSL	74°, 48%, 65%
HSV	74°, 41%, 82%
XYZ	46.8078, 57.2083, 26.9876
YIQ	192.2160, 15.6860, -30.9860

Conversions

Conversions Part 2

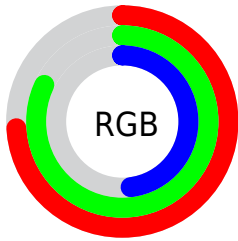
Format	Color
R _{YB}	122, 208, 142
Decimal	12374138
CIE Lab	80.30, -20.22, 40.40
CIE LCh	80, 45.177, 116.593
Yxy	57.2083, 0.3573, 0.4367
Android (android.graphics.Color)	4290564218 (0xFFBCD07A)
YUV	192.2160, -34.6165, -3.6974
Hunter-Lab	75.6362, -21.8977, 31.7902

Details

The XYZ color **46.8078, 57.2083, 26.9876** is a light color, and the websafe version is hex **CCCC66**. A complement of this color would be **29.5022, 24.2254, 62.7989**, and the grayscale version is **50.4200, 53.0458, 57.7668**.

A 20% lighter version of the original color is **81.2527, 94.0671, 54.9486**, and **22.3658, 28.5527, 10.2937** is the 20% darker color. If you saturate the color by 10%, you get **44.4829, 56.1449, 20.8564**, and if you desaturate by 10%, it is **49.4513, 58.4077, 34.5758**.

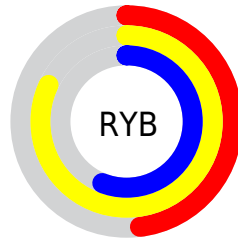
Distribution



Red (74%)

Green (82%)

Blue (48%)



Red (48%)

Yellow (82%)

Blue (56%)

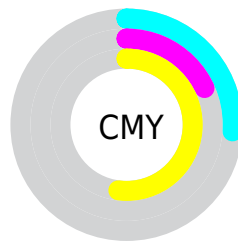


Cyan (10%)

Magenta (0%)

Yellow (41%)

Black (18%)



Cyan (26%)

Magenta (18%)

Yellow (52%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 46.8078, 57.2083, 26.9876 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 46.8078, 57.2083, 26.9876 by changing the saturation by 10% instead.

■ 46.8078, 57.2083,
26.9876

■ 46.8078, 57.2083,
26.9876

364.7086,
414.2294, 301.3554

■ 33.0910, 41.1725,
17.3316

■ 84.6471, 100.7691,
55.8675

■ 22.3558, 28.4539,
10.3067

■ 109.5005,
129.0628, 75.9284

■ 14.2366, 18.6681,
5.4945

■ 138.7967,
162.2113, 100.2946

■ 8.3682, 11.4307,
2.4765

172.9011,
200.5990, 129.3848

■ 4.3852, 6.3573,
0.8277

212.1792,
244.6103, 163.6174

■ 1.9223, 3.0635,
0.0000

256.9962,

■ 0.5897, 1.1650,

294.6295, 203.4110

0.0000

307.7175,
351.0411, 249.1842

■ 0.0000, 0.0328,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 46.8078, 57.2083,
26.9876

■ 46.8078, 57.2083,
26.9876

■ 44.4829, 56.1449,
20.8564

■ 49.4513, 58.4077,
34.5758

■ 42.4544, 55.2027,
16.0850


■ 52.4258, 59.7422,
43.7027


■ 40.7033, 54.3759,
12.5702


■ 55.7481, 61.2205,
54.4482


■ 39.2065, 53.6554,
10.1923


■ 59.4323, 62.8483,
66.8856


 37.9366, 53.0301,
8.8086


 63.4921, 64.6311,
81.0837

 36.9787, 52.5489,
8.1940

 67.9399, 66.5740,
97.1076

 70.6912, 67.8432,
103.9770

 72.1934, 68.6176,
104.0473

 73.7385, 69.4141,
104.1196

Harmonies

Analogous

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



55.4366, 57.2083, 24.0708



46.8078, 57.2083, 26.9876



40.8594, 57.2083, 38.2792

Triad

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



46.8078, 57.2083, 26.9876



45.1736, 57.2083, 115.1087



74.0933, 57.2083, 65.3607

Complementary

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



46.8078, 57.2083, 26.9876



29.5022, 24.2254, 62.7989

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.



70.5834, 57.2083, 94.6893



46.8078, 57.2083, 26.9876



53.3266, 57.2083, 128.0832

Square

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



46.8078, 57.2083, 26.9876



39.9936, 57.2083, 87.9376



62.7162, 57.2083, 119.7189



71.8463, 57.2083, 42.1879

Rectangle

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



46.8078, 57.2083, 26.9876



38.8680, 57.2083, 51.2287



62.7162, 57.2083, 119.7189



73.5386, 57.2083, 74.8391

Sweetspot

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



46.8092, 57.2109, 26.9888



87.9385, 96.8585, 84.8665



38.9982, 33.7585, 22.8737



18.6678, 20.6631, 17.6566



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.



46.8092, 57.2109, 26.9888



70.7816, 89.1280, 33.7228



37.9900, 52.6644, 26.5761



12.5234, 13.6533, 12.5873



23.1344, 32.7952, 5.1108



1.3605, 1.8682, 0.2889

Inverse Universe

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



29.5022, 24.2254, 62.7989



39.6395, 29.7122, 98.2535



38.0261, 28.6196, 63.1978



11.4174, 11.5485, 14.8710



7.9382, 3.2726, 37.4058



0.5156, 0.2199, 2.0948

Previews

White Background



This preview shows how the XYZ color 46.8078, 57.2083, 26.9876 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 46.8078, 57.2083, 26.9876 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

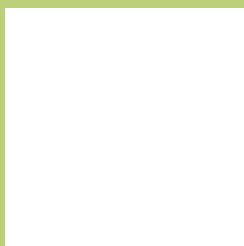
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 46.8078, 57.2083, 26.9876

Background



This preview shows how black text looks on a background with the XYZ color 46.8078, 57.2083, 26.9876.



This preview shows how white text looks on a background with the XYZ color 46.8078, 57.2083,

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

46.8078, 57.2083, 26.9876

Protanopia

52.6666, 57.0842, 25.6953

Deuteranopia

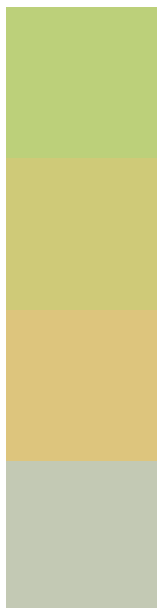
58.1145, 56.8585, 27.6505



Tritanopia

55.5297, 56.8787, 71.0028

Trichromacy



Original Color

46.8078, 57.2083, 26.9876

Protanomaly

50.2428, 56.8625, 26.0968

Deuteranomaly

53.4867, 56.7853, 27.5436

Tritanomaly

51.6305, 56.6707, 51.3973

Monochromacy



Original Color

46.8078, 57.2083, 26.9876

Achromatopsia

50.1023, 52.7115, 57.4028

Achromatomaly

48.6550, 54.2546, 44.4670

CSS Examples

Text

The CSS property to change the color of the text to XYZ 46.8078, 57.2083, 26.9876 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, 208, 122)` looks like.

```
.text, #text, p{  
    color:rgb(188, 208, 122)  
}
```

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, 208, 122) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(188, 208, 122) }
```

Border

The CSS property to change the border of an element to XYZ 46.8078, 57.2083, 26.9876 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, 208, 122) }
```


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

```
.border{ border-color:rgb(188, 208, 122) }
```

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

Here you see how a box with a 4 pixel `rgb(188, 208, 122)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(188, 208, 122); -webkit-box-  
shadow:4px 4px 4px 4px rgb(188, 208, 122);  
box-shadow:4px 4px 4px 4px rgb(188, 208,  
122) }
```

Background

The CSS property to change the background color of an element to XYZ 46.8078, 57.2083, 26.9876 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(188, 208, 122) }
```

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

```
.background{ background-color: rgb(188,  
208, 122) }
```

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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