

Converting Colors

XYZ(45.8878, 56.9420, 12.1830)

Have a look what the booklet for
XYZ(45.8878, 56.9420, 12.1830)
contains.

XYZ(46.0104, 57.1233, 12.2153)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(46.0104, 57.1233,
12.2153)**

Conversions

Conversions Part 1

Format	Color
Hex	C4D037
RGB	196, 208, 55
RGB Percent	77%, 82%, 22%
CMY	0.2314, 0.1843, 0.7843
CMYK	0.06, 0.00, 0.74, 0.18
HSL	65°, 62%, 52%
HSV	65°, 74%, 82%
XYZ	46.0104, 57.1233, 12.2153
YIQ	186.9700, 41.9610, -50.1270

Conversions

Conversions Part 2

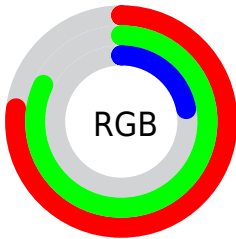
Format	Color
RYB	55, 208, 67
Decimal	12898359
CIELab	80.25, -22.27, 69.49
CIElCh	80, 72.969, 107.772
Yxy	57.1233, 0.3989, 0.4952
Android (android.graphics.Color)	4291088439 (0xFFC4D037)
YUV	186.9700, -65.0612, 7.9193
Hunter-Lab	75.5800, -23.6005, 43.3235

Details

The XYZ color **46.0104, 57.1233, 12.2153** is a light color, and the websafe version is hex **CCCC33**. The color can be described as light muted yellow. A complement of this color would be **15.0678, 8.4810, 60.5208**, and the grayscale version is **47.5576, 50.0343, 54.4873**.

A 20% lighter version of the original color is **79.9806, 93.9723, 29.5458**, and **22.0368, 28.5145, 4.3424** is the 20% darker color. If you saturate the color by 10%, you get **45.1914, 56.7490, 10.1008**, and if you desaturate by 10%, it is **47.0467, 57.5892, 15.4384**.

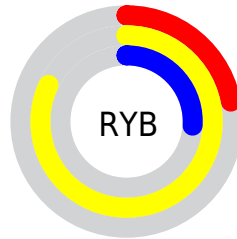
Distribution



Red (77%)

Green (82%)

Blue (22%)



Red (22%)

Yellow (82%)

Blue (26%)

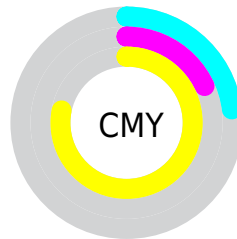


Cyan (6%)

Magenta (0%)

Yellow (74%)

Black (18%)



Cyan (23%)

Magenta (18%)

Yellow (78%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 46.0104, 57.1233, 12.2153 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 46.0104, 57.1233, 12.2153 by changing the saturation by 10% instead.

■ 46.0104, 57.1233,
12.2153

■ 46.0104, 57.1233,
12.2153

361.5657,
413.9112, 216.8537

■ 32.4587, 41.1042,
6.7662

■ 83.4623, 100.6451,
30.5569

■ 21.8693, 28.4005,
3.2401

■ 108.0933,
128.9166, 44.2864

■ 13.8770, 18.6278,
1.2185

■ 137.1480,
162.0410, 61.6131

■ 8.1163, 11.4017,
0.0000

■ 170.9918,
200.4028, 82.9556

■ 4.2219, 6.3377,
0.0000

■ 209.9902,
244.3863, 108.7323

■ 1.8284, 3.0515,
0.0000

254.5083,

■ 0.5347, 1.1587,

294.3760, 139.3619

0.0000

304.9117,
350.7561, 175.2629

■ 0.0000, 0.0276,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 46.0104, 57.1233,
12.2153

■ 46.0104, 57.1233,
12.2153

■ 45.1914, 56.7490,
10.1008

■ 47.0467, 57.5892,
15.4384

■ 44.5573, 56.4471,
8.9416

■ 48.3198, 58.1483,
19.8904

■ 44.2153, 56.2795,
8.5326

■ 49.8515, 58.8114,
25.6797

■ 51.6600, 59.5857,
32.9022

■ 53.7618, 60.4779,
41.6446

■ 56.1720, 61.4940,
51.9870

■ 58.9049, 62.6397,
64.0038

■ 61.9737, 63.9203,
77.7649

■ 65.3909, 65.3409,
93.3359

Harmonies

Analogous

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



60.5905, 57.1233, 11.5343



46.0104, 57.1233, 12.2153



35.7231, 57.1233, 21.7457

Triad

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



46.0104, 57.1233, 12.2153



37.2262, 57.1233, 144.8813



87.3815, 57.1233, 81.2435

Complementary

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



46.0104, 57.1233, 12.2153



15.0678, 8.4810, 60.5208

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.



78.3907, 57.1233, 135.2412



46.0104, 57.1233, 12.2153



48.4495, 57.1233, 181.7797

Square

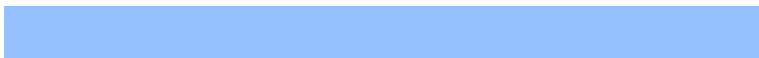
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



46.0104, 57.1233, 12.2153



31.3268, 57.1233, 90.7533



63.5165, 57.1233, 177.6126



86.4001, 57.1233, 40.3645

Rectangle

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



46.0104, 57.1233, 12.2153



31.8577, 57.1233, 36.0365



63.5165, 57.1233, 177.6126



85.3660, 57.1233, 98.6841

Sweetspot

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



46.0117, 57.1259, 12.2165



85.6961, 96.0735, 67.9993



28.6058, 17.4908, 5.4835



18.1329, 20.4750, 13.6686



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.



46.0117, 57.1259, 12.2165



71.0580, 89.6888, 14.8354



31.1749, 49.4773, 11.5221



12.7081, 13.7485, 12.5960



27.5936, 35.0940, 5.3195



1.5706, 1.9766, 0.2987

Inverse Universe

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



15.0678, 8.4810, 60.5208



19.7584, 8.8127, 95.2674



23.8571, 13.0120, 60.9321



11.2484, 11.4614, 14.8631



7.2649, 2.9255, 37.3743



0.4368, 0.1794, 2.0912

Previews

White Background



This preview shows how the XYZ color 46.0104, 57.1233, 12.2153 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 46.0104, 57.1233, 12.2153 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 46.0104, 57.1233, 12.2153

Background



This preview shows how black text looks on a background with the XYZ color 46.0104, 57.1233, 12.2153.



This preview shows how white text looks on a background with the XYZ color 46.0104, 57.1233,

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

46.0104, 57.1233, 12.2153

Protanopia

51.4975, 56.7919, 11.6159

Deuteranopia

58.1617, 56.8938, 12.6188



Tritanopia

57.3788, 56.8887, 68.2780

Trichromacy



Original Color

46.0104, 57.1233, 12.2153

Protanomaly

49.2270, 56.6535, 11.8307

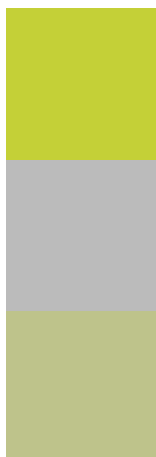
Deuteranomaly

53.1887, 56.6291, 12.4021

Tritanomaly

51.3500, 56.1259, 38.2639

Monochromacy



Original Color

46.0104, 57.1233, 12.2153

Achromatopsia

47.2335, 49.6933, 54.1160

Achromatomaly

45.4105, 51.8414, 32.0391

CSS Examples

Text

The CSS property to change the color of the text to XYZ 46.0104, 57.1233, 12.2153 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(196, 208, 55)` looks like.

```
.text, #text, p{  
    color:rgb(196, 208, 55)  
}
```

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(196, 208, 55) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(196, 208, 55) }
```

Border

The CSS property to change the border of an element to XYZ 46.0104, 57.1233, 12.2153 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(196, 208, 55) }
```


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

```
.border{ border-color:rgb(196, 208, 55) }
```

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

Here you see how a box with a 4 pixel `rgb(196, 208, 55)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(196, 208, 55); -webkit-box-  
shadow:4px 4px 4px 4px rgb(196, 208, 55);  
box-shadow:4px 4px 4px 4px rgb(196, 208,  
55) }
```

Background

The CSS property to change the background color of an element to XYZ 46.0104, 57.1233, 12.2153 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(196, 208, 55) }
```

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

```
.background{ background-color: rgb(196,  
208, 55) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor