

Converting Colors

XYZ(45.2061, 58.1219, 11.1428)

Have a look what the booklet for
XYZ(45.2061, 58.1219, 11.1428)
contains.

XYZ(45.2147, 58.2085, 11.1378)	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(45.2147, 58.2085,
11.1378)**

Conversions

Conversions Part 1

Format	Color
Hex	BED42B
RGB	190, 212, 43
RGB Percent	75%, 83%, 17%
CMY	0.2549, 0.1686, 0.8313
CMYK	0.10, 0.00, 0.80, 0.17
HSL	68°, 66%, 50%
HSV	68°, 80%, 83%
XYZ	45.2147, 58.2085, 11.1378
YIQ	186.1560, 41.1370, -57.2230

Conversions

Conversions Part 2

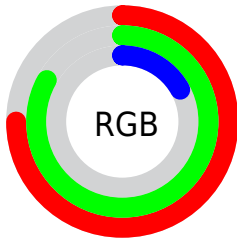
Format	Color
RYB	43, 212, 65
Decimal	12506155
CIELab	80.85, -27.16, 73.46
CIELCh	81, 78.316, 110.292
Yxy	58.2085, 0.3947, 0.5081
Android (android.graphics.Color)	4290696235 (0xFFBED42B)
YUV	186.1560, -70.5759, 3.3712
Hunter-Lab	76.2945, -27.7302, 44.7507

Details

The XYZ color **45.2147, 58.2085, 11.1378** is a dark color, and the websafe version is hex **CCCC33**. The color can be described as middle washed chartreuse. A complement of this color would be **14.9294, 7.6064, 62.9722**, and the grayscale version is **47.1286, 49.5829, 53.9958**.

A 20% lighter version of the original color is **77.6830, 92.8435, 26.9230**, and **21.5727, 29.0195, 4.4643** is the 20% darker color. If you saturate the color by 10%, you get **44.2397, 57.7417, 9.5629**, and if you desaturate by 10%, it is **46.4073, 58.7681, 13.7791**.

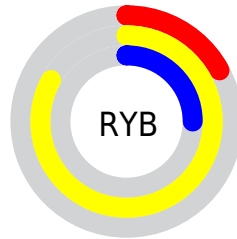
Distribution



Red (75%)

Green (83%)

Blue (17%)



Red (17%)

Yellow (83%)

Blue (25%)

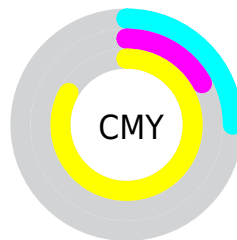


Cyan (10%)

Magenta (0%)

Yellow (80%)

Black (17%)



Cyan (25%)

Magenta (17%)

Yellow (83%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 45.2147, 58.2085, 11.1378 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 45.2147, 58.2085, 11.1378 by changing the saturation by 10% instead.

■ 45.2147, 58.2085,
11.1378

■ 45.2147, 58.2085,
11.1378

358.4115,
417.9624, 209.3818

■ 31.8286, 41.9763,
6.0443

■ 82.2776, 102.2264,
28.5552

■ 21.3855, 29.0827,
2.8028

■ 106.6850,
130.7809, 41.7162

■ 13.5201, 19.1434,
0.9948

■ 135.4970,
164.2116, 58.4034

■ 7.8671, 11.7740,
0.0000

■ 169.0788,
202.9030, 79.0354

■ 4.0611, 6.5899,
0.0000

■ 207.7958,
247.2393, 104.0307

■ 1.7368, 3.2070,
0.0000

■ 252.0133,

■ 0.4791, 1.2407,

297.6051, 133.8078

0.0000

302.0968,
354.3847, 168.7853

■ 0.0000, 0.0946,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 45.2147, 58.2085,
11.1378

■ 45.2147, 58.2085,
11.1378

■ 44.2397, 57.7417,
9.5629

■ 46.4073, 58.7681,
13.7791

■ 43.4300, 57.3404,
8.7962

■ 47.8412, 59.4236,
17.6282

■ 43.4077, 57.3293,
8.7778

■ 49.5411, 60.1870,
22.8086

■ 51.5272, 61.0664,
29.4278

■ 53.8182, 62.0694,
37.5823

■ 56.4307, 63.2025,
47.3601

■ 59.3804, 64.4719,
58.8428

■ 62.6816, 65.8836,
72.1062

■ 66.3480, 67.4430,
87.2219

Harmonies

Analogous

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



60.7437, 58.2085, 9.8549



45.2147, 58.2085, 11.1378



34.6628, 58.2085, 21.7743

Triad

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



45.2147, 58.2085, 11.1378



37.7222, 58.2085, 159.7060



92.0400, 58.2085, 79.6366

Complementary

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



45.2147, 58.2085, 11.1378



14.9294, 7.6064, 62.9722

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.



82.9017, 58.2085, 139.1226



45.2147, 58.2085, 11.1378



50.2393, 58.2085, 198.1642

Square

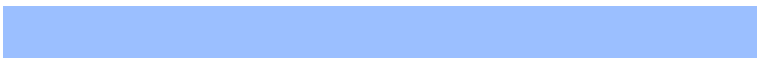
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



45.2147, 58.2085, 11.1378



30.9589, 58.2085, 99.6062



66.8411, 58.2085, 189.2002



89.9688, 58.2085, 37.2115

Rectangle

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



45.2147, 58.2085, 11.1378



30.8853, 58.2085, 37.8132



66.8411, 58.2085, 189.2002



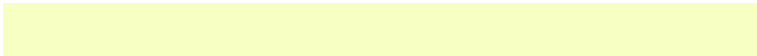
90.1189, 58.2085, 98.4569

Sweetspot

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



45.2160, 58.2112, 11.1390



83.8438, 95.1858, 64.8749



29.3514, 17.6969, 4.1551



17.6454, 20.2432, 12.7677



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.



45.2160, 58.2112, 11.1390



66.2853, 87.2499, 13.6402



30.1399, 50.4391, 10.4335



13.3064, 14.4341, 13.2455



26.8567, 35.4214, 5.4215



1.6652, 2.1598, 0.3291

Inverse Universe

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



14.9294, 7.6064, 62.9722



19.1187, 7.9353, 95.1317



24.8212, 12.7058, 63.4351



11.8914, 12.0854, 15.6435



7.6727, 3.1080, 38.6487



0.5132, 0.2134, 2.3335

Previews

White Background



This preview shows how the XYZ color 45.2147, 58.2085, 11.1378 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 45.2147, 58.2085, 11.1378 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 45.2147, 58.2085, 11.1378

Background



This preview shows how black text looks on a background with the XYZ color 45.2147, 58.2085, 11.1378.



This preview shows how white text looks on a background with the XYZ color 45.2147, 58.2085,

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

45.2147, 58.2085, 11.1378

Protanopia

52.3210, 57.9340, 10.4323

Deuteranopia

59.2242, 57.7887, 11.5229



Tritanopia

57.1533, 57.7157, 71.0787

Trichromacy



Original Color

45.2147, 58.2085, 11.1378

Protanomaly

49.3829, 57.8198, 10.6554

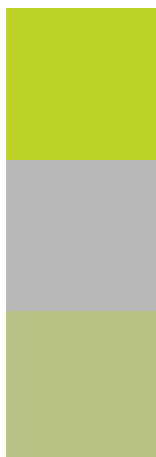
Deuteranomaly

53.0829, 57.2765, 11.2753

Tritanomaly

50.5259, 56.7548, 37.5699

Monochromacy



Original Color

45.2147, 58.2085, 11.1378

Achromatopsia

46.6715, 49.1021, 53.4722

Achromatomaly

44.3117, 51.3162, 30.1238

CSS Examples

Text

The CSS property to change the color of the text to XYZ 45.2147, 58.2085, 11.1378 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(190, 212, 43)` looks like.

```
.text, #text, p{  
    color:rgb(190, 212, 43)  
}
```

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(190, 212, 43) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(190, 212, 43) }
```

Border

The CSS property to change the border of an element to XYZ 45.2147, 58.2085, 11.1378 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(190, 212, 43) }
```


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

```
.border{ border-color:rgb(190, 212, 43) }
```

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

Here you see how a box with a 4 pixel `rgb(190, 212, 43)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(190, 212, 43); -webkit-box-  
shadow:4px 4px 4px 4px rgb(190, 212, 43);  
box-shadow:4px 4px 4px 4px rgb(190, 212,  
43) }
```

Background

The CSS property to change the background color of an element to XYZ 45.2147, 58.2085, 11.1378 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(190, 212, 43) }
```

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

```
.background{ background-color: rgb(190,  
212, 43) }
```

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