

Converting Colors

XYZ(47.7020, 58.2809, 11.3328)

Have a look what the booklet for
XYZ(47.7020, 58.2809, 11.3328)
contains.

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Color

**XYZ(47.6507, 58.3547,
11.3369)**

Conversions

Conversions Part 1

Format	Color
Hex	CAD12E
RGB	202, 209, 46
RGB Percent	79%, 82%, 18%
CMY	0.2078, 0.1804, 0.8196
CMYK	0.03, 0.00, 0.78, 0.18
HSL	63°, 64%, 50%
HSV	63°, 78%, 82%
XYZ	47.6507, 58.3547, 11.3369
YIQ	188.3250, 48.1510, -52.1770

Conversions

Conversions Part 2

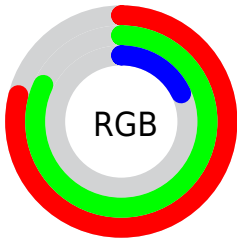
Format	Color
RYB	46, 209, 53
Decimal	13291822
CIELab	80.94, -20.62, 73.04
CIELCh	81, 75.896, 105.766
Yxy	58.3547, 0.4061, 0.4973
Android (android.graphics.Color)	4291481902 (0xFFCAD12E)
YUV	188.3250, -70.1662, 11.9930
Hunter-Lab	76.3902, -22.3382, 44.6741

Details

The XYZ color **47.6507, 58.3547, 11.3369** is a light color, and the websafe version is hex **CCCC33**. The color can be described as light washed yellow. A complement of this color would be **13.9555, 7.3155, 61.0017**, and the grayscale version is **48.3542, 50.8724, 55.4000**.

A 20% lighter version of the original color is **79.6015, 93.8206, 27.5494**, and **23.2229, 29.3720, 4.4454** is the 20% darker color. If you saturate the color by 10%, you get **47.0930, 58.1058, 9.6592**, and if you desaturate by 10%, it is **48.4129, 58.6899, 14.0724**.

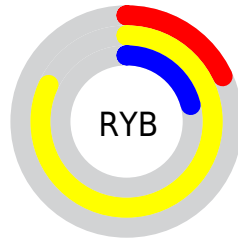
Distribution



Red (79%)

Green (82%)

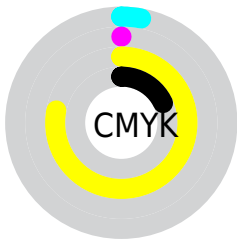
Blue (18%)



Red (18%)

Yellow (82%)

Blue (21%)

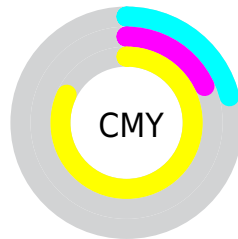


Cyan (3%)

Magenta (0%)

Yellow (78%)

Black (18%)



Cyan (21%)

Magenta (18%)

Yellow (82%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 47.6507, 58.3547, 11.3369 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 47.6507, 58.3547, 11.3369 by changing the saturation by 10% instead.

47.6507, 58.3547,
11.3369

47.6507, 58.3547,
11.3369

368.0116,
418.5063, 210.7842

33.7605, 42.0939,
6.1769

85.8970, 102.4392,
28.9276

22.8716, 29.1748,
2.8824

110.9837,
131.0317, 42.1954

14.6189, 19.2131,
1.0349

140.5332,
164.5035, 59.0029

8.6370, 11.8244,
0.0000

174.9110,
203.2390, 79.7685

4.5604, 6.6242,
0.0000

214.4824,
247.6227, 104.9110

2.0238, 3.2282,
0.0000

259.6127,

0.6473, 1.2520,

298.0388, 134.8487

0.0000

310.6673,
354.8719, 170.0003

■ 0.0000, 0.1036,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 47.6507, 58.3547,
11.3369

■ 47.6507, 58.3547,
11.3369

■ 47.0930, 58.1058,
9.6592

■ 48.4129, 58.6899,
14.0724

■ 46.6984, 57.9201,
8.8392

■ 49.4013, 59.1136,
17.9973

■ 46.6270, 57.8860,
8.7156

■ 50.6391, 59.6372,
23.2282

■ 52.1456, 60.2685,
29.8665

■ 53.9382, 61.0143,
38.0041

■ 56.0328, 61.8812,
47.7246

■ 58.4442, 62.8749,
59.1059

■ 61.1862, 64.0010,
72.2203

■ 64.2717, 65.2647,
87.1364

Harmonies

Analogous

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



63.2329, 58.3547, 11.1481



47.6507, 58.3547, 11.3369



36.5048, 58.3547, 20.2633

Triad

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



47.6507, 58.3547, 11.3369



36.9389, 58.3547, 147.9274



90.2220, 58.3547, 87.2869

Complementary

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



47.6507, 58.3547, 11.3369



13.9555, 7.3155, 61.0017

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.



80.0610, 58.3547, 145.0707



47.6507, 58.3547, 11.3369



48.3597, 58.3547, 189.7924

Square

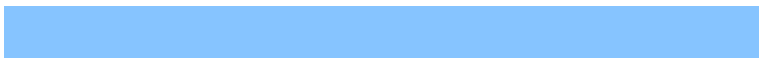
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



47.6507, 58.3547, 11.3369



31.1655, 58.3547, 90.0793



64.0887, 58.3547, 188.5525



89.9330, 58.3547, 42.8015

Rectangle

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



47.6507, 58.3547, 11.3369



32.2164, 58.3547, 34.2196



64.0887, 58.3547, 188.5525



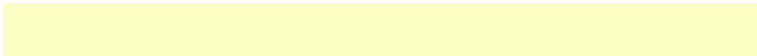
87.8427, 58.3547, 106.1024

Sweetspot

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



47.6520, 58.3574, 11.3381



86.0823, 96.3065, 66.4857



27.9925, 16.1598, 4.2293



18.1762, 20.5104, 13.0804



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.



47.6520, 58.3574, 11.3381



73.3989, 90.9134, 14.1427



31.3315, 49.9439, 10.5743



12.7511, 13.7707, 12.5980



28.7693, 35.7001, 5.3745



1.6245, 2.0043, 0.3013

Inverse Universe

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



13.9555, 7.3155, 61.0017



18.6410, 7.7846, 95.1278



22.1499, 11.5399, 61.3852



11.2100, 11.4416, 14.8613



7.1864, 2.8850, 37.3706



0.4187, 0.1700, 2.0903

Previews

White Background



This preview shows how the XYZ color 47.6507, 58.3547, 11.3369 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 47.6507, 58.3547, 11.3369 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 47.6507, 58.3547, 11.3369

Background



This preview shows how black text looks on a background with the XYZ color 47.6507, 58.3547, 11.3369.



This preview shows how white text looks on a background with the XYZ color 47.6507, 58.3547,

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

47.6507, 58.3547, 11.3369

Protanopia

52.7053, 58.1239, 10.8240

Deuteranopia

59.2479, 57.7982, 11.6479



Tritanopia

59.4669, 58.2823, 69.0881

Trichromacy



Original Color

47.6507, 58.3547, 11.3369

Protanomaly

50.6818, 58.1269, 11.0310

Deuteranomaly

54.5178, 57.6729, 11.5074

Tritanomaly

53.0233, 57.3594, 37.1310

Monochromacy



Original Color

47.6507, 58.3547, 11.3369

Achromatopsia

47.7994, 50.2886, 54.7643

Achromatomaly

46.1762, 52.5949, 31.0106

CSS Examples

Text

The CSS property to change the color of the text to XYZ 47.6507, 58.3547, 11.3369 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(202, 209, 46)` looks like.

```
.text, #text, p{  
    color:rgb(202, 209, 46)  
}
```

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(202, 209, 46) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(202, 209, 46) }
```

Border

The CSS property to change the border of an element to XYZ 47.6507, 58.3547, 11.3369 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(202, 209, 46) }
```


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

```
.border{ border-color:rgb(202, 209, 46) }
```

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

Here you see how a box with a 4 pixel `rgb(202, 209, 46)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(202, 209, 46); -webkit-box-  
shadow:4px 4px 4px 4px rgb(202, 209, 46);  
box-shadow:4px 4px 4px 4px rgb(202, 209,  
46) }
```

Background

The CSS property to change the background color of an element to XYZ 47.6507, 58.3547, 11.3369 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(202, 209, 46) }
```

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

```
.background{ background-color: rgb(202,  
209, 46) }
```

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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