

Converting Colors

XYZ(46.8797, 53.2120, 12.0111)

Have a look what the booklet for
XYZ(46.8797, 53.2120, 12.0111)
contains.

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Color

**XYZ(47.1339, 53.5077,
12.1188)**

Conversions

Conversions Part 1

Format	Color
Hex	D2C43C
RGB	210, 196, 60
RGB Percent	82%, 77%, 24%
CMY	0.1765, 0.2314, 0.7647
CMYK	0.00, 0.07, 0.71, 0.18
HSL	54°, 62%, 53%
HSV	54°, 71%, 82%
XYZ	47.1339, 53.5077, 12.1188
YIQ	184.6820, 52.0000, -39.3280

Conversions

Conversions Part 2

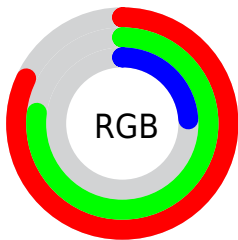
Format	Color
RYB	75, 210, 60
Decimal	13812796
CIELab	78.17, -10.16, 66.16
CIELCh	78, 66.939, 98.729
Yxy	53.5077, 0.4180, 0.4745
Android (android.graphics.Color)	4292002876 (0xFFD2C43C)
YUV	184.6820, -61.4682, 22.2039
Hunter-Lab	73.1490, -12.9933, 41.3815

Details

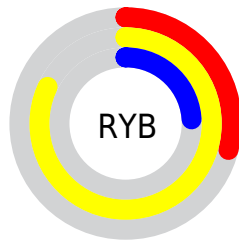
The XYZ color **47.1339, 53.5077, 12.1188** is a light color, and the websafe version is hex **CCCC33**. The color can be described as light muted yellow. A complement of this color would be **15.9453, 10.5114, 62.1609**, and the grayscale version is **46.2491, 48.6577, 52.9882**.

A 20% lighter version of the original color is **79.2028, 92.1418, 30.1337**, and **22.7714, 26.3203, 3.8802** is the 20% darker color. If you saturate the color by 10%, you get **46.2466, 52.4523, 9.6067**, and if you desaturate by 10%, it is **48.2496, 54.6678, 15.7945**.

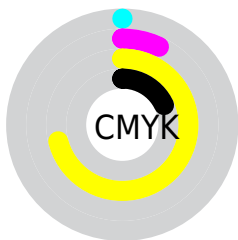
Distribution



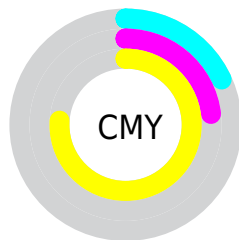
- Red (82%)
- Green (77%)
- Blue (24%)



- Red (29%)
- Yellow (82%)
- Blue (24%)



- Cyan (0%)
- Magenta (7%)
- Yellow (71%)
- Black (18%)





- Cyan (18%)
- Magenta (23%)
- Yellow (76%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 47.1339, 53.5077, 12.1188 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 47.1339, 53.5077, 12.1188 by changing the saturation by 10% instead.


 47.1339, 53.5077,
12.1188

 47.1339, 53.5077,
12.1188


365.9887,
400.2299, 216.1959

 33.3499, 38.2082,
6.7011


 85.1310, 95.3510,
30.3789

 22.5552, 26.1443,
3.2003


 110.0748,
122.6637, 44.0584


 14.3843, 16.9316,
1.1978


 139.4692,
154.7495, 61.3290

 8.4719, 10.1858,
0.0000

 173.6797,
191.9928, 82.6091

 4.4527, 5.5223,
0.0000

 213.0715,
234.7782, 108.3173

 1.9613, 2.5569,
0.0000

258.0101,

 0.6121, 0.9050,

283.4899, 138.8721

0.0000

308.8607,
338.5123, 174.6922

■ 0.0000, 0.0000,
0.0000

■ 47.1339, 53.5077,
12.1188

■ 47.1339, 53.5077,
12.1188

■ 46.2466, 52.4523,
9.6067

■ 48.2496, 54.6678,
15.7945

■ 45.5562, 51.4828,
8.1086

■ 49.6134, 55.9343,
20.7532

■ 45.0800, 50.7052,
7.4111

■ 51.2468, 57.3180,
27.1030

■ 53.1681, 58.8262,
34.9398

■ 55.3938, 60.4655,
44.3511

■ 57.9393, 62.2422,
55.4172

■ 60.8188, 64.1619,
68.2135

■ 64.0459, 66.2301,
82.8103

■ 67.6330, 68.4518,
99.2742

Harmonies

Analogous

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



60.5420, 53.5077, 13.6062



47.1339, 53.5077, 12.1188



36.6845, 53.5077, 18.1888

Triad

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



47.1339, 53.5077, 12.1188



33.6464, 53.5077, 115.9699



78.0912, 53.5077, 88.5062

Complementary

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



47.1339, 53.5077, 12.1188



15.9453, 10.5114, 62.1609

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.



68.2785, 53.5077, 134.4905



47.1339, 53.5077, 12.1188



42.2650, 53.5077, 154.5095

Square

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



47.1339, 53.5077, 12.1188



29.8220, 53.5077, 69.8946



54.7721, 53.5077, 162.4478



80.0000, 53.5077, 47.9953

Rectangle

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



47.1339, 53.5077, 12.1188



32.2412, 53.5077, 28.2905



54.7721, 53.5077, 162.4478



75.5360, 53.5077, 104.2402

Sweetspot

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



47.1351, 53.5102, 12.1199



86.0225, 93.8719, 69.1215



29.4645, 17.4419, 8.4711



18.1949, 19.9357, 13.8650



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.



47.1351, 53.5102, 12.1199



71.1307, 80.5392, 13.4418



36.4402, 52.9034, 12.5665



12.7052, 13.6011, 12.5677



27.5380, 31.0089, 4.5339



1.5679, 1.7900, 0.2629

Inverse Universe

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



15.9453, 10.5114, 62.1609



20.1891, 10.4336, 95.5575



20.9950, 11.8786, 62.1587



11.2511, 11.5925, 14.8882



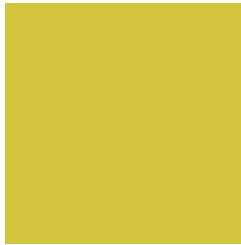
7.2768, 3.2002, 37.4267



0.4381, 0.2413, 2.1031

Previews

White Background



This preview shows how the XYZ color 47.1339, 53.5077, 12.1188 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 47.1339, 53.5077, 12.1188 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 47.1339, 53.5077, 12.1188

Background



This preview shows how black text looks on a background with the XYZ color 47.1339, 53.5077, 12.1188.



This preview shows how white text looks on a background with the XYZ color 47.1339, 53.5077,

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

47.1339, 53.5077, 12.1188

Protanopia

48.6965, 53.6511, 11.9268

Deuteranopia

54.7126, 53.5399, 12.4516



Tritanopia

56.8303, 53.2703, 60.1102

Trichromacy



Original Color

47.1339, 53.5077, 12.1188

Protanomaly

48.0361, 53.6421, 11.9599

Deuteranomaly

51.5136, 53.1483, 12.2462

Tritanomaly

51.8650, 52.8247, 35.0664

Monochromacy



Original Color

47.1339, 53.5077, 12.1188

Achromatopsia

46.1135, 48.5150, 52.8328

Achromatomaly

45.1794, 49.7580, 32.0340

CSS Examples

Text

The CSS property to change the color of the text to XYZ 47.1339, 53.5077, 12.1188 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(210, 196, 60)` looks like.

```
.text, #text, p{  
    color:rgb(210, 196, 60)  
}
```

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(210, 196, 60) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(210, 196, 60) }
```

Border

The CSS property to change the border of an element to XYZ 47.1339, 53.5077, 12.1188 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(210, 196, 60) }
```


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

```
.border{ border-color:rgb(210, 196, 60) }
```

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

Here you see how a box with a 4 pixel `rgb(210, 196, 60)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(210, 196, 60); -webkit-box-  
shadow:4px 4px 4px 4px rgb(210, 196, 60);  
box-shadow:4px 4px 4px 4px rgb(210, 196,  
60) }
```

Background

The CSS property to change the background color of an element to XYZ 47.1339, 53.5077, 12.1188 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(210, 196, 60) }
```

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

```
.background{ background-color: rgb(210,  
196, 60) }
```

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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