

Converting Colors

XYZ(60.4224, 58.0373, 13.2188)

Have a look what the booklet for
XYZ(60.4224, 58.0373, 13.2188)
contains.

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Color

**XYZ(60.4210, 58.0485,
13.1742)**

Conversions

Conversions Part 1

Format	Color
Hex	FFBD42
RGB	255, 189, 66
RGB Percent	100%, 74%, 26%
CMY	0.0000, 0.2588, 0.7412
CMYK	0.00, 0.26, 0.74, 0.00
HSL	39°, 100%, 63%
HSV	39°, 74%, 100%
XYZ	60.4210, 58.0485, 13.1742
YIQ	194.7120, 78.8190, -24.2610

Conversions

Conversions Part 2

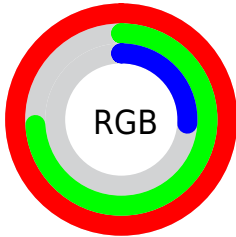
Format	Color
RYB	167, 255, 66
Decimal	16760130
CIELab	80.77, 12.83, 67.92
CIELCh	81, 69.118, 79.307
Yxy	58.0485, 0.4590, 0.4410
Android (android.graphics.Color)	4294950210 (0xFFFFBD42)
YUV	194.7120, -63.4550, 52.8726
Hunter-Lab	76.1896, 8.2250, 43.0807

Details

The XYZ color **60.4210, 58.0485, 13.1742** is a light color, and the websafe version is hex **FFCC33**. The color can be described as light washed orange. A complement of this color would be **28.5478, 24.8800, 97.9049**, and the grayscale version is **52.0346, 54.7445, 59.6167**.

A 20% lighter version of the original color is **77.3436, 87.9453, 30.9879**, and **31.0523, 29.0777, 3.9759** is the 20% darker color. If you saturate the color by 10%, you get **57.9734, 54.1006, 9.4397**, and if you desaturate by 10%, it is **63.3236, 62.3713, 18.7133**.

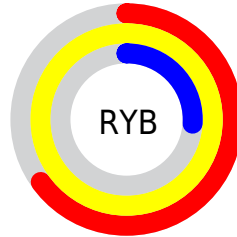
Distribution



Red (100%)

Green (74%)

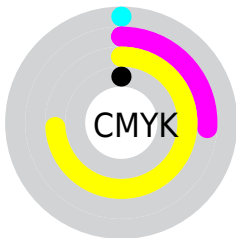
Blue (26%)



Red (65%)

Yellow (100%)

Blue (26%)

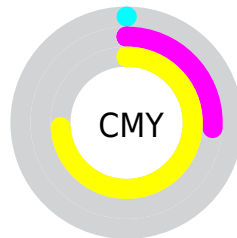


Cyan (0%)

Magenta (26%)

Yellow (74%)

Black (0%)



Cyan (0%)


Magenta (26%)


Yellow (74%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 60.4210, 58.0485, 13.1742 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 60.4210, 58.0485, 13.1742 by changing the saturation by 10% instead.


 60.4210, 58.0485,
13.1742

 60.4210, 58.0485,
13.1742


415.9577,
417.3666, 223.2780


 44.0088, 41.8476,
7.4165


 104.5430,
101.9935, 32.3122

 30.8754, 28.9820,
3.6415


 132.9836,
130.5064, 46.5295


 20.6553, 19.0672,
1.4308


 166.1643,
163.8921, 64.4037

 12.9833, 11.7189,
0.1656

 204.4505,
202.5350, 86.3534

 7.4940, 6.5525,
0.0000

 248.2076,
246.8196, 112.7972

 3.8220, 3.1839,
0.0000

297.8009,

 1.6019, 1.2285,

297.1301, 144.1535

0.0000

353.5959,
353.8510, 180.8409

■ 0.3937, 0.0848,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 60.4210, 58.0485,
13.1742

■ 60.4210, 58.0485,
13.1742

■ 57.9734, 54.1006,
9.4397

■ 63.3236, 62.3713,
18.7133

■ 55.9265, 50.4954,
7.2510

■ 66.7189, 67.0802,
26.2621

■ 54.8687, 48.5177,
6.4730

■ 70.6440, 72.1958,
36.0018

■ 75.1313, 77.7338,
48.0919

80.2100, 83.7091,
62.6772

85.9069, 90.1354,
79.8905

92.2473, 97.0257,
99.8553

95.0498, 99.9999,
108.9000

Harmonies

Analogous

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



75.0591, 58.0485, 20.3944



60.4210, 58.0485, 13.1742



46.5926, 58.0485, 14.2770

Triad

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



60.4210, 58.0485, 13.1742



33.1245, 58.0485, 92.8963



78.6925, 58.0485, 129.5036

Complementary

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



60.4210, 58.0485, 13.1742



28.5478, 24.8800, 97.9049

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.



64.7478, 58.0485, 170.1050



60.4210, 58.0485, 13.1742



39.1522, 58.0485, 143.4326

Square

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



60.4210, 58.0485, 13.1742



32.3715, 58.0485, 49.7207



50.2387, 58.0485, 176.0815



86.7528, 58.0485, 78.9302

Rectangle

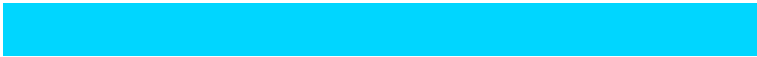
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



60.4210, 58.0485, 13.1742



39.5582, 58.0485, 19.8248



50.2387, 58.0485, 176.0815



74.4364, 58.0485, 145.5537

Sweetspot

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



60.4223, 58.0514, 13.1753



81.3634, 85.0313, 66.0963



47.3635, 26.8269, 24.5663



17.0999, 17.8384, 13.2141



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.



60.4223, 58.0514, 13.1753



56.9274, 52.2986, 8.1960



68.3116, 88.1871, 18.5763



18.9961, 19.9604, 18.9959



28.8155, 25.6422, 3.4307



2.9081, 2.7016, 0.3682

Inverse Universe

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



28.5478, 24.8800, 97.9049



23.8188, 18.0447, 96.8353



24.6508, 13.5153, 95.9167



17.5217, 18.4151, 22.8809



11.4256, 7.7608, 50.3304



1.2102, 0.9511, 4.9331

Previews

White Background



This preview shows how the XYZ color 60.4210, 58.0485, 13.1742 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 60.4210, 58.0485, 13.1742 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 60.4210, 58.0485, 13.1742

Background



This preview shows how black text looks on a background with the XYZ color 60.4210, 58.0485, 13.1742.



This preview shows how white text looks on a background with the XYZ color 60.4210, 58.0485,

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

60.4210, 58.0485, 13.1742

Protanopia

53.0122, 58.2105, 14.0719

Deuteranopia

59.3686, 58.1525, 13.0965



Tritanopia

67.2783, 58.1135, 57.5403

Trichromacy



Original Color

60.4210, 58.0485, 13.1742

Protanomaly

55.6017, 58.1827, 13.7687

Deuteranomaly

59.5125, 57.9040, 13.0410

Tritanomaly

63.5688, 57.6163, 34.9647

Monochromacy



Original Color

60.4210, 58.0485, 13.1742

Achromatopsia

51.8711, 54.5724, 59.4294

Achromatomaly

53.0305, 55.0298, 35.8438

CSS Examples

Text

The CSS property to change the color of the text to XYZ 60.4210, 58.0485, 13.1742 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(255, 189, 66)` looks like.

```
.text, #text, p{  
    color:rgb(255, 189, 66)  
}
```

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(255, 189, 66) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 189, 66) }
```

Border

The CSS property to change the border of an element to XYZ 60.4210, 58.0485, 13.1742 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(255, 189, 66) }
```


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

```
.border{ border-color:rgb(255, 189, 66) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 189, 66)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 189, 66); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 189, 66);  
box-shadow:4px 4px 4px 4px rgb(255, 189,  
66) }
```

Background

The CSS property to change the background color of an element to XYZ 60.4210, 58.0485, 13.1742 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 189, 66) }
```

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

```
.background{ background-color: rgb(255,  
189, 66) }
```

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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