

Converting Colors

XYZ(53.3488, 50.3313, 16.8006)

Have a look what the booklet for
XYZ(53.3488, 50.3313, 16.8006)
contains.

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Color

**XYZ(53.3488, 50.3313,
16.8006)**

Conversions

Conversions Part 1

Format	Color
Hex	F0B05B
RGB	240, 176, 91
RGB Percent	94%, 69%, 36%
CMY	0.0588, 0.3098, 0.6431
CMYK	0.00, 0.27, 0.62, 0.06
HSL	34°, 83%, 65%
HSV	34°, 62%, 94%
XYZ	53.3488, 50.3313, 16.8006
YIQ	185.4460, 65.4290, -12.8670

Conversions

Conversions Part 2

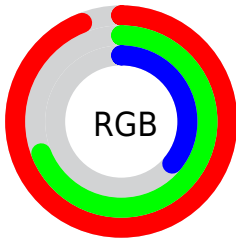
Format	Color
R _Y B	203, 240, 91
Decimal	15773787
CIE Lab	76.27, 14.72, 51.82
CIE LCh	76, 53.868, 74.142
Yxy	50.3313, 0.4428, 0.4178
Android (android.graphics.Color)	4293963867 (0xFFFF0B05B)
YUV	185.4460, -46.5619, 47.8439
Hunter-Lab	70.9446, 10.0752, 35.6205

Details

The XYZ color **53.3488, 50.3313, 16.8006** is a light color, and the websafe version is hex **FFCC66**. The color can be described as light muted orange. A complement of this color would be **31.7631, 31.9564, 86.9316**, and the grayscale version is **46.5898, 49.0161, 53.3785**.

A 20% lighter version of the original color is **75.1307, 80.9868, 38.0578**, and **26.4130, 24.2718, 5.3003** is the 20% darker color. If you saturate the color by 10%, you get **50.5297, 46.0935, 11.5443**, and if you desaturate by 10%, it is **56.6548, 55.0134, 23.8529**.

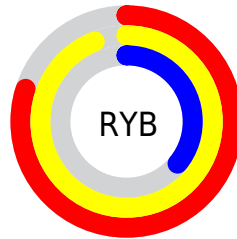
Distribution



Red (94%)

Green (69%)

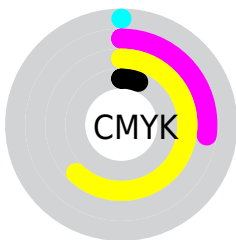
Blue (36%)



Red (80%)

Yellow (94%)

Blue (36%)

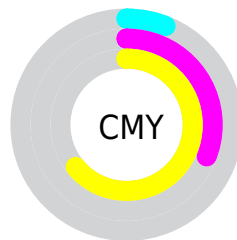


Cyan (0%)

Magenta (27%)

Yellow (62%)

Black (6%)



Cyan (6%)


Magenta (31%)


Yellow (64%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 53.3488, 50.3313, 16.8006 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 53.3488, 50.3313, 16.8006 by changing the saturation by 10% instead.


 53.3488, 50.3313,
16.8006


 53.3488, 50.3313,
16.8006


389.8609,
387.9601, 246.0256


 38.3099, 35.6767,
9.9320


 94.2799, 90.6656,
38.7686


 26.4016, 24.1846,
5.2489


 120.9029,
117.1140, 54.7050

 17.2586, 15.4706,
2.3327


 152.1178,
148.2625, 74.5011

 10.5155, 9.1503,
0.7495

 188.2902,
184.4955, 98.5754

 5.8069, 4.8394,
0.0000

229.7854,
226.1974, 127.3464

 2.7676, 2.1533,
0.0000

276.9686,

 1.0321, 0.6944,

273.7525, 161.2328

0.0000

330.2053,
327.5453, 200.6530

0.0000, 0.0000,
0.0000

53.3488, 50.3313,
16.8006

53.3488, 50.3313,
16.8006

50.5297, 46.0935,
11.5443

56.6548, 55.0134,
23.8529

48.1576, 42.2727,
7.9070

60.4758, 60.1503,
32.8496

46.1907, 38.8485,
5.6802

64.8418, 65.7612,
43.9269

44.8695, 36.3944,
4.6599

69.7789, 71.8613,
57.2076

75.3114, 78.4652,
72.8052

81.4623, 85.5868,
90.8250

87.6017, 92.9787,
107.9373

89.7449, 97.2651,
108.6517

Harmonies

Analogous

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



63.1870, 50.3313, 24.4562



53.3488, 50.3313, 16.8006



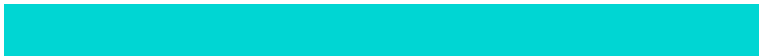
43.2446, 50.3313, 16.6052

Triad

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



53.3488, 50.3313, 16.8006



31.3568, 50.3313, 69.5600



62.6928, 50.3313, 105.2440

Complementary

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



53.3488, 50.3313, 16.8006



31.7631, 31.9564, 86.9316

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.



52.7465, 50.3313, 128.4479



53.3488, 50.3313, 16.8006



35.2013, 50.3313, 103.4335

Square

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



53.3488, 50.3313, 16.8006



31.4706, 50.3313, 40.9548



42.7211, 50.3313, 127.6882



69.0784, 50.3313, 71.4645

Rectangle

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



53.3488, 50.3313, 16.8006



37.7372, 50.3313, 20.4340



42.7211, 50.3313, 127.6882



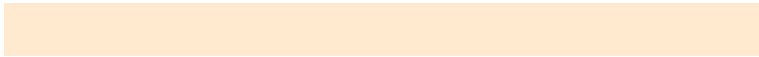
59.5982, 50.3313, 114.9943

Sweetspot

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



53.3500, 50.3338, 16.8016



81.9248, 84.6976, 70.7738



45.6404, 28.3934, 34.3358



17.1599, 17.6755, 14.1059



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.



53.3500, 50.3338, 16.8016



57.3597, 51.9118, 12.1975



65.7026, 79.9090, 21.8591



16.5214, 17.2559, 16.6097



24.6972, 20.1925, 2.5959



2.1531, 1.8770, 0.2488

Inverse Universe

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



31.7631, 31.9564, 86.9316



30.8044, 29.3635, 98.6519



24.8289, 16.5367, 84.3207



15.4555, 16.3451, 20.0619



11.3953, 9.0149, 46.2673



1.0448, 0.9437, 3.8813

Previews

White Background



This preview shows how the XYZ color 53.3488, 50.3313, 16.8006 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 53.3488, 50.3313, 16.8006 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 53.3488, 50.3313, 16.8006

Background



This preview shows how black text looks on a background with the XYZ color 53.3488, 50.3313, 16.8006.



This preview shows how white text looks on a background with the XYZ color 53.3488, 50.3313,

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

53.3488, 50.3313, 16.8006

Protanopia

46.2756, 50.6313, 18.1603

Deuteranopia

51.2443, 50.1342, 16.6489



Tritanopia

60.1307, 50.3013, 49.1877

Trichromacy



Original Color

53.3488, 50.3313, 16.8006

Protanomaly

48.6761, 50.3048, 17.7340

Deuteranomaly

52.0268, 50.2411, 16.6283

Tritanomaly

56.9494, 50.0891, 34.2704

Monochromacy



Original Color

53.3488, 50.3313, 16.8006

Achromatopsia

46.1135, 48.5150, 52.8328

Achromatomaly

47.4907, 48.6694, 36.1693

CSS Examples

Text

The CSS property to change the color of the text to XYZ 53.3488, 50.3313, 16.8006 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(240, 176, 91)` looks like.

```
.text, #text, p{  
    color:rgb(240, 176, 91)  
}
```

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(240, 176, 91) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(240, 176, 91) }
```

Border

The CSS property to change the border of an element to XYZ 53.3488, 50.3313, 16.8006 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(240, 176, 91) }
```


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

```
.border{ border-color:rgb(240, 176, 91) }
```

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

Here you see how a box with a 4 pixel rgb(240, 176, 91) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(240, 176, 91); -webkit-box-  
shadow:4px 4px 4px 4px rgb(240, 176, 91);  
box-shadow:4px 4px 4px 4px rgb(240, 176,  
91) }
```

Background

The CSS property to change the background color of an element to XYZ 53.3488, 50.3313, 16.8006 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(240, 176, 91) }
```

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

```
.background{ background-color: rgb(240,  
176, 91) }
```

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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