

Converting Colors

XYZ(48.3903, 37.5282, 6.1178)

Have a look what the booklet for
XYZ(48.3903, 37.5282, 6.1178)
contains.

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Color

**XYZ(48.5833, 37.6692,
6.1491)**

Conversions

Conversions Part 1

Format	Color
Hex	FB8621
RGB	251, 134, 33
RGB Percent	98%, 53%, 13%
CMY	0.0157, 0.4745, 0.8706
CMYK	0.00, 0.47, 0.87, 0.02
HSL	28°, 96%, 56%
HSV	28°, 87%, 98%
XYZ	48.5833, 37.6692, 6.1491
YIQ	157.4690, 102.1530, -6.6070

Conversions

Conversions Part 2

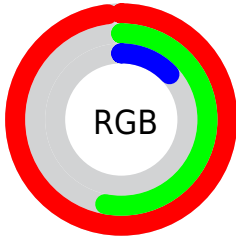
Format	Color
R_{YB}	251, 221, 33
Decimal	16483873
CIE Lab	67.78, 38.67, 67.71
CIE LCh	68, 77.976, 60.265
Yxy	37.6692, 0.5258, 0.4077
Android (android.graphics.Color)	4294673953 (0xFFFB8621)
YUV	157.4690, -61.3632, 82.0267
Hunter-Lab	61.3752, 33.8900, 37.0225

Details

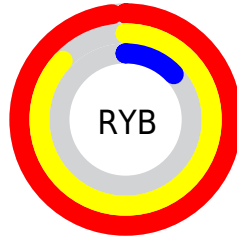
The XYZ color **48.5833, 37.6692, 6.1491** is a dark color, and the websafe version is hex **FF9933**. The color can be described as middle washed orange. A complement of this color would be **28.9455, 29.0997, 95.3574**, and the grayscale version is **32.4966, 34.1889, 37.2318**.

A 20% lighter version of the original color is **61.0264, 57.9477, 17.4198**, and **23.5108, 16.5994, 1.9648** is the 20% darker color. If you saturate the color by 10%, you get **46.6080, 34.0890, 4.3503**, and if you desaturate by 10%, it is **51.0580, 41.8321, 9.4002**.

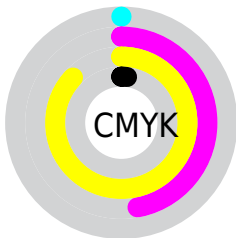
Distribution



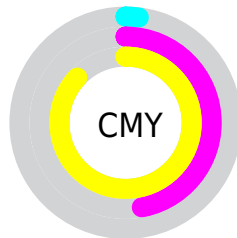
- Red (98%)
- Green (53%)
- Blue (13%)



- Red (98%)
- Yellow (87%)
- Blue (13%)



- Cyan (0%)
- Magenta (47%)
- Yellow (87%)
- Black (2%)





- Cyan (2%)
- Magenta (47%)
- Yellow (87%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 48.5833, 37.6692, 6.1491 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 48.5833, 37.6692, 6.1491 by changing the saturation by 10% instead.


 48.5833, 37.6692,
6.1491


 48.5833, 37.6692,
6.1491


371.6438,
336.1988, 169.7466

 34.5022, 25.7260,
2.8657


 87.2767, 71.6008,
18.7226


 23.4444, 16.6188,
1.0265


 112.6197, 94.3581,
28.8497


 15.0445, 9.9631,
0.0000


 142.4474,
121.4888, 42.0952

 8.9371, 5.3745,
0.0000

 177.1252,
153.3775, 58.8776

 4.7570, 2.4686,
0.0000

 217.0183,
190.4084, 79.6154

 2.1387, 0.8609,
0.0000

 262.4923,

 0.7101, 0.0000,

232.9660, 104.7271

0.0000

313.9123,
281.4347, 134.6313

■ 0.0000, 0.0000,
0.0000

■ 48.5833, 37.6692,
6.1491

■ 48.5833, 37.6692,
6.1491

■ 46.6080, 34.0890,
4.3503

■ 51.0580, 41.8321,
9.4002

■ 46.0629, 33.0681,
3.9550

■ 54.0885, 46.6085,
14.3705

■ 57.7235, 52.0325,
21.2732

■ 62.0046, 58.1329,
30.2896

■ 66.9690, 64.9363,
41.5799

72.6508, 72.4676,
55.2884

79.0815, 80.7501,
71.5477

86.2904, 89.8063,
90.4804

93.5934, 99.2491,
108.8318

Harmonies

Analogous

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



59.8045, 37.6692, 15.8194



48.5833, 37.6692, 6.1491



35.6961, 37.6692, 3.9965

Triad

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



48.5833, 37.6692, 6.1491



17.2576, 37.6692, 41.3238



48.8117, 37.6692, 129.2951

Complementary

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



48.5833, 37.6692, 6.1491



28.9455, 29.0997, 95.3574

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.



35.9110, 37.6692, 149.7515



48.5833, 37.6692, 6.1491



19.2748, 37.6692, 84.4294

Square

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



48.5833, 37.6692, 6.1491



19.2038, 37.6692, 16.1034



25.4877, 37.6692, 129.9576



59.9558, 37.6692, 83.5701

Rectangle

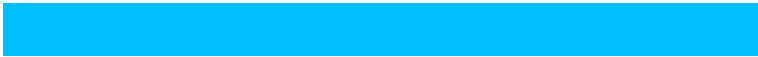
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



48.5833, 37.6692, 6.1491



28.3557, 37.6692, 4.9318



25.4877, 37.6692, 129.9576



44.4529, 37.6692, 140.2135

Sweetspot

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



48.5841, 37.6712, 6.1498



75.8337, 75.8029, 58.6081



46.0690, 23.8937, 32.2782



15.7712, 15.6222, 11.4112



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.



48.5841, 37.6712, 6.1498



47.7360, 34.2520, 4.0953



71.2474, 82.9977, 13.7042



17.9074, 18.5507, 18.0992



24.3550, 17.6668, 2.1264



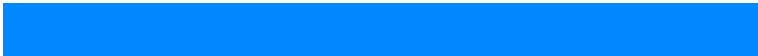
2.3605, 1.8459, 0.2319

Inverse Universe

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



28.9455, 29.0997, 95.3574



26.9745, 25.0690, 98.0248



18.9369, 9.0826, 92.0212



17.0546, 18.1860, 21.9967



13.8327, 13.0209, 49.7578



1.3872, 1.4182, 4.6438

Previews

White Background



This preview shows how the XYZ color 48.5833, 37.6692, 6.1491 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 48.5833, 37.6692, 6.1491 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 48.5833, 37.6692, 6.1491

Background



This preview shows how black text looks on a background with the XYZ color 48.5833, 37.6692, 6.1491.



This preview shows how white text looks on a background with the XYZ color 48.5833, 37.6692,

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

48.5833, 37.6692, 6.1491

Protanopia

34.2862, 37.8716, 7.6007

Deuteranopia

38.4450, 37.7067, 5.7421



Tritanopia

52.8767, 37.6485, 27.0342

Trichromacy



Original Color

48.5833, 37.6692, 6.1491

Protanomaly

38.4838, 36.9528, 6.9380

Deuteranomaly

41.6327, 37.4001, 5.7837

Tritanomaly

50.7499, 37.3722, 15.8480

Monochromacy



Original Color

48.5833, 37.6692, 6.1491

Achromatopsia

32.0474, 33.7164, 36.7171

Achromatomaly

35.1579, 33.7411, 19.9889

CSS Examples

Text

The CSS property to change the color of the text to XYZ 48.5833, 37.6692, 6.1491 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(251, 134, 33)` looks like.

```
.text, #text, p{  
    color:rgb(251, 134, 33)  
}
```

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(251, 134, 33) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(251, 134, 33) }
```

Border

The CSS property to change the border of an element to XYZ 48.5833, 37.6692, 6.1491 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(251, 134, 33) }
```


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

```
.border{ border-color:rgb(251, 134, 33) }
```

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

Here you see how a box with a 4 pixel `rgb(251, 134, 33)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(251, 134, 33); -webkit-box-  
shadow:4px 4px 4px 4px rgb(251, 134, 33);  
box-shadow:4px 4px 4px 4px rgb(251, 134,  
33) }
```

Background

The CSS property to change the background color of an element to XYZ 48.5833, 37.6692, 6.1491 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(251, 134, 33) }
```

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

```
.background{ background-color: rgb(251,  
134, 33) }
```

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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