

Converting Colors

XYZ(48.8452, 36.2385, 5.1797)

Have a look what the booklet for
XYZ(48.8452, 36.2385, 5.1797)
contains.

XYZ(48.8457, 36.2396, 5.1796)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(48.8457, 36.2396,
5.1796)**

Conversions

Conversions Part 1

Format	Color
Hex	FF7E16
RGB	255, 126, 22
RGB Percent	100%, 49%, 9%
CMY	0.0000, 0.5059, 0.9137
CMYK	0.00, 0.51, 0.91, 0.00
HSL	27°, 100%, 54%
HSV	27°, 91%, 100%
XYZ	48.8457, 36.2396, 5.1796
YIQ	152.7150, 110.2680, -4.9960

Conversions

Conversions Part 2

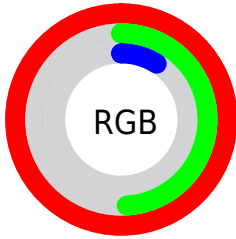
Format	Color
R_{YB}	255, 210, 22
Decimal	16743958
CIE Lab	66.70, 44.02, 70.12
CIE LCh	67, 82.795, 57.881
Yxy	36.2396, 0.5411, 0.4015
Android (android.graphics.Color)	4294934038 (0xFFFF7E16)
YUV	152.7150, -64.4425, 89.7039
Hunter-Lab	60.1993, 39.4859, 37.0382

Details

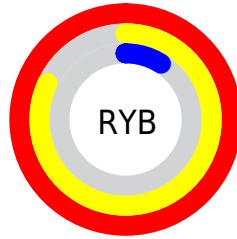
The XYZ color **48.8457, 36.2396, 5.1796** is a dark color, and the websafe version is hex **FF6600**. The color can be described as dark washed orange. A complement of this color would be **29.4471, 29.5230, 98.7536**, and the grayscale version is **30.3934, 31.9762, 34.8221**.

A 20% lighter version of the original color is **59.2491, 54.9018, 15.2589**, and **23.9346, 15.9739, 1.8218** is the 20% darker color. If you saturate the color by 10%, you get **47.2373, 33.2550, 3.9292**, and if you desaturate by 10%, it is **51.1595, 40.2621, 7.8182**.

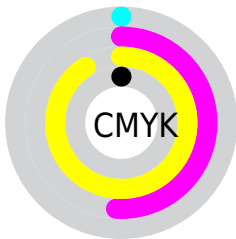
Distribution



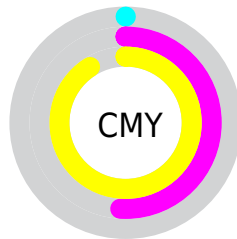
- Red (100%)
- Green (49%)
- Blue (9%)



- Red (100%)
- Yellow (82%)
- Blue (9%)



- Cyan (0%)
- Magenta (51%)
- Yellow (91%)
- Black (0%)





- Cyan (0%)
- Magenta (51%)
- Yellow (91%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 48.8457, 36.2396, 5.1796 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 48.8457, 36.2396, 5.1796 by changing the saturation by 10% instead.


 48.8457, 36.2396,
5.1796


 48.8457, 36.2396,
5.1796


372.6616,
330.0066, 160.5514

 34.7111, 24.6193,
2.2924


 87.6643, 69.4017,
16.6500

 23.6059, 15.7937,
0.7270


 113.0791, 91.7123,
26.0702


 15.1647, 9.3783,
0.0000


 142.9847,
118.3552, 38.5053

 9.0221, 4.9887,
0.0000

 177.7464,
149.7146, 54.3737

 4.8128, 2.2406,
0.0000

 217.7296,
186.1751, 74.0940

 2.1715, 0.7420,
0.0000

 263.2996,

 0.7276, 0.0000,

228.1210, 98.0847

0.0000

314.8218,
275.9367, 126.7643

0.0000, 0.0000,
0.0000

48.8457, 36.2396,
5.1796

48.8457, 36.2396,
5.1796

47.2373, 33.2550,
3.9292

51.1595, 40.2621,
7.8182

54.0383, 44.9325,
12.1291

57.5376, 50.2898,
18.3553

61.7042, 56.3672,
26.6986

66.5795, 63.1950,
37.3348

72.2011, 70.8012,
50.4211

78.6036, 79.2124,
66.1008

85.8192, 88.4535,
84.5058

93.8780, 98.5485,
105.7592

Harmonies

Analogous

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



60.3124, 36.2396, 15.2535



48.8457, 36.2396, 5.1796



35.3396, 36.2396, 2.9181

Triad

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



48.8457, 36.2396, 5.1796



15.5967, 36.2396, 36.9717



46.9314, 36.2396, 136.7332

Complementary

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



48.8457, 36.2396, 5.1796



29.4471, 29.5230, 98.7536

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.



33.5649, 36.2396, 155.7127



48.8457, 36.2396, 5.1796



17.2875, 36.2396, 81.1202

Square

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



48.8457, 36.2396, 5.1796



17.8540, 36.2396, 13.0349



23.1951, 36.2396, 130.9962



59.0325, 36.2396, 88.4468

Rectangle

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



48.8457, 36.2396, 5.1796



27.5885, 36.2396, 3.5337



23.1951, 36.2396, 130.9962



42.3519, 36.2396, 147.6809

Sweetspot

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



48.8465, 36.2416, 5.1802



74.9015, 74.3769, 56.9465



47.3625, 24.1682, 32.7561



15.5777, 15.3190, 11.0885



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.



48.8465, 36.2416, 5.1802



47.2376, 33.2552, 3.9292



72.3878, 83.3243, 13.0273



18.6769, 19.3219, 18.8895



24.8264, 17.6640, 2.1010



2.5243, 1.9339, 0.2402

Inverse Universe

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



29.4471, 29.5230, 98.7536



27.6007, 26.3214, 98.2336



19.0594, 8.7475, 95.2910



17.8369, 19.0454, 22.9860



14.5733, 14.0562, 51.3796



1.5280, 1.5867, 5.0390

Previews

White Background



This preview shows how the XYZ color 48.8457, 36.2396, 5.1796 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 48.8457, 36.2396, 5.1796 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 48.8457, 36.2396, 5.1796

Background



This preview shows how black text looks on a background with the XYZ color 48.8457, 36.2396, 5.1796.



This preview shows how white text looks on a background with the XYZ color 48.8457, 36.2396,

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

48.8457, 36.2396, 5.1796

Protanopia

32.8863, 36.3659, 6.6525

Deuteranopia

37.0092, 36.2330, 5.0431



Tritanopia

51.7872, 36.2252, 24.3414

Trichromacy



Original Color

48.8457, 36.2396, 5.1796

Protanomaly

37.4104, 35.4518, 5.9698

Deuteranomaly

40.7576, 35.8113, 4.9939

Tritanomaly

50.0027, 35.9003, 13.7452

Monochromacy



Original Color

48.8457, 36.2396, 5.1796

Achromatopsia

30.2779, 31.8547, 34.6897

Achromatomaly

33.6075, 31.6120, 17.6950

CSS Examples

Text

The CSS property to change the color of the text to XYZ 48.8457, 36.2396, 5.1796 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, 126, 22)` looks like.

```
.text, #text, p{  
    color:rgb(255, 126, 22)  
}
```

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, 126, 22) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 126, 22) }
```

Border

The CSS property to change the border of an element to XYZ 48.8457, 36.2396, 5.1796 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, 126, 22) }
```


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

```
.border{ border-color:rgb(255, 126, 22) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 126, 22)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 126, 22); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 126, 22);  
box-shadow:4px 4px 4px 4px rgb(255, 126,  
22) }
```

Background

The CSS property to change the background color of an element to XYZ 48.8457, 36.2396, 5.1796 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 126, 22) }
```

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

```
.background{ background-color: rgb(255,  
126, 22) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor