

Converting Colors

XYZ(48.9942, 36.5047, 5.3279)

Have a look what the booklet for
XYZ(48.9942, 36.5047, 5.3279)
contains.

XYZ(48.9942, 36.5047, 5.3280)	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(48.9942, 36.5047,
5.3280)**

Conversions

Conversions Part 1

Format	Color
Hex	FF7F18
RGB	255, 127, 24
RGB Percent	100%, 50%, 9%
CMY	0.0000, 0.5019, 0.9059
CMYK	0.00, 0.50, 0.91, 0.00
HSL	27°, 100%, 55%
HSV	27°, 91%, 100%
XYZ	48.9942, 36.5047, 5.3280
YIQ	153.5300, 109.3510, -4.8970

Conversions

Conversions Part 2

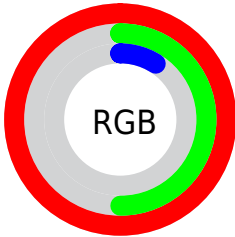
Format	Color
R_{YB}	255, 210, 24
Decimal	16744216
CIE Lab	66.90, 43.56, 69.78
CIE LCh	67, 82.263, 58.028
Yxy	36.5047, 0.5394, 0.4019
Android (android.graphics.Color)	4294934296 (0xFFFF7F18)
YUV	153.5300, -63.8583, 88.9892
Hunter-Lab	60.4191, 39.0132, 37.0650

Details

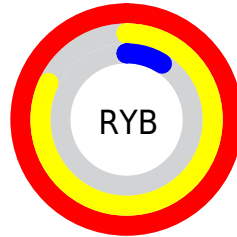
The XYZ color **48.9942, 36.5047, 5.3280** is a dark color, and the websafe version is hex **FF6600**. The color can be described as dark washed orange. A complement of this color would be **29.6542, 29.8693, 98.8092**, and the grayscale version is **30.7478, 32.3491, 35.2281**.

A 20% lighter version of the original color is **59.5293, 55.3404, 15.7279**, and **24.0019, 16.1085, 1.8442** is the 20% darker color. If you saturate the color by 10%, you get **47.2240, 33.2285, 3.9248**, and if you desaturate by 10%, it is **51.3499, 40.5762, 8.0875**.

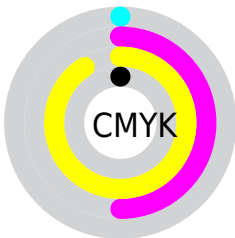
Distribution



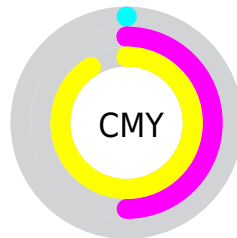
- Red (100%)
- Green (50%)
- Blue (9%)



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



- Cyan (0%)
- Magenta (50%)
- Yellow (91%)
- Black (0%)





- Cyan (0%)
- Magenta (50%)
- Yellow (91%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 48.9942, 36.5047, 5.3280 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 48.9942, 36.5047, 5.3280 by changing the saturation by 10% instead.


 48.9942, 36.5047,
5.3280


 48.9942, 36.5047,
5.3280


373.2368,
331.1611, 162.0064

 34.8294, 24.8242,
2.3789


 87.8836, 69.8104,
16.9722

 23.6974, 15.9462,
0.7749


 113.3389, 92.2043,
26.5044


 15.2328, 9.4861,
0.0000


 143.2885,
118.9383, 39.0680

 9.0703, 5.0596,
0.0000

 178.0976,
150.3966, 55.0816

 4.8446, 2.2822,
0.0000

 218.1316,
186.9636, 74.9636

 2.1902, 0.7643,
0.0000

 263.7559,

 0.7375, 0.0000,

229.0238, 99.1328

0.0000

315.3359,
276.9615, 128.0075

■ 0.0000, 0.0000,
0.0000

■ 48.9942, 36.5047,
5.3280

■ 48.9942, 36.5047,
5.3280

■ 47.2240, 33.2285,
3.9248

■ 51.3499, 40.5762,
8.0875

■ 54.2756, 45.2995,
12.5406

■ 57.8261, 50.7132,
18.9260

■ 62.0478, 56.8503,
27.4433

■ 66.9818, 63.7409,
38.2665

72.6653, 71.4130,
51.5517

79.1327, 79.8932,
67.4410

86.4162, 89.2062,
86.0659

94.5458, 99.3759,
107.5487

Harmonies

Analogous

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



60.4379, 36.5047, 15.4345



48.9942, 36.5047, 5.3280



35.5277, 36.5047, 3.0474

Triad

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



48.9942, 36.5047, 5.3280



15.8357, 36.5047, 37.4325



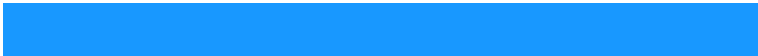
47.2186, 36.5047, 136.3110

Complementary

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



48.9942, 36.5047, 5.3280



29.6542, 29.8693, 98.8092

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.



33.8786, 36.5047, 155.3454



48.9942, 36.5047, 5.3280



17.5518, 36.5047, 81.5025

Square

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



48.9942, 36.5047, 5.3280



18.0805, 36.5047, 13.3583



23.4923, 36.5047, 131.0112



59.2521, 36.5047, 88.2836

Rectangle

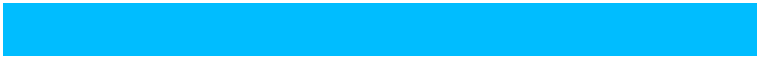
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



48.9942, 36.5047, 5.3280



27.7965, 36.5047, 3.6884



23.4923, 36.5047, 131.0112



42.6535, 36.5047, 147.2320

Sweetspot

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



48.9950, 36.5067, 5.3286



74.8934, 74.3606, 56.9437



47.4745, 24.2765, 33.1507



15.5758, 15.3152, 11.0879



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.



48.9950, 36.5067, 5.3286



47.2244, 33.2288, 3.9248



72.4468, 83.4103, 13.1459



18.6762, 19.3205, 18.8892



24.8195, 17.6501, 2.0987



2.5236, 1.9325, 0.2400

Inverse Universe

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



29.6542, 29.8693, 98.8092



27.6180, 26.3560, 98.2393



19.1655, 8.8920, 95.3130



17.8376, 19.0469, 22.9862



14.5824, 14.0743, 51.3826



1.5289, 1.5885, 5.0393

Previews

White Background



This preview shows how the XYZ color 48.9942, 36.5047, 5.3280 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 48.9942, 36.5047, 5.3280 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 48.9942, 36.5047, 5.3280

Background



This preview shows how black text looks on a background with the XYZ color 48.9942, 36.5047, 5.3280.



This preview shows how white text looks on a background with the XYZ color 48.9942, 36.5047,

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

48.9942, 36.5047, 5.3280

Protanopia

33.3314, 36.8568, 6.8707

Deuteranopia

37.1749, 36.5645, 5.0983



Tritanopia

52.0398, 36.5197, 25.0751

Trichromacy



Original Color

48.9942, 36.5047, 5.3280

Protanomaly

37.8793, 35.9286, 6.1668

Deuteranomaly

40.9152, 36.1178, 5.0734

Tritanomaly

50.2113, 36.1812, 14.2348

Monochromacy



Original Color

48.9942, 36.5047, 5.3280

Achromatopsia

30.7148, 32.3143, 35.1903

Achromatomaly

34.1130, 32.0844, 18.3049

CSS Examples

Text

The CSS property to change the color of the text to XYZ 48.9942, 36.5047, 5.3280 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, 127, 24)` looks like.

```
.text, #text, p{  
    color:rgb(255, 127, 24)  
}
```

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, 127, 24) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 127, 24) }
```

Border

The CSS property to change the border of an element to XYZ 48.9942, 36.5047, 5.3280 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, 127, 24) }
```


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

```
.border{ border-color:rgb(255, 127, 24) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 127, 24)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 127, 24); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 127, 24);  
box-shadow:4px 4px 4px 4px rgb(255, 127,  
24) }
```

Background

The CSS property to change the background color of an element to XYZ 48.9942, 36.5047, 5.3280 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 127, 24) }
```

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

```
.background{ background-color: rgb(255,  
127, 24) }
```

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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