

Converting Colors

XYZ(47.3882, 36.0247, 5.3754)

Have a look what the booklet for
XYZ(47.3882, 36.0247, 5.3754)
contains.

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Color

**XYZ(47.4501, 36.0947,
5.3858)**

Conversions

Conversions Part 1

Format	Color
Hex	FA8119
RGB	250, 129, 25
RGB Percent	98%, 51%, 10%
CMY	0.0196, 0.4941, 0.9019
CMYK	0.00, 0.48, 0.90, 0.02
HSL	28°, 96%, 54%
HSV	28°, 90%, 98%
XYZ	47.4501, 36.0947, 5.3858
YIQ	153.3230, 105.5000, -6.6920

Conversions

Conversions Part 2

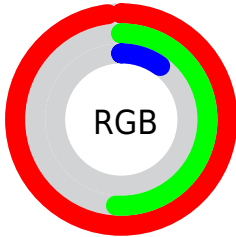
Format	Color
R_{YB}	250, 218, 25
Decimal	16417049
CIE _{Lab}	66.59, 40.64, 68.98
CIE _{LCh}	67, 80.067, 59.494
Yxy	36.0947, 0.5336, 0.4059
Android (android.graphics.Color)	4294607129 (0xFFFA8119)
YUV	153.3230, -63.2632, 84.7857
Hunter-Lab	60.0789, 35.8407, 36.7401

Details

The XYZ color **47.4501, 36.0947, 5.3858** 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 **27.9346, 27.6656, 94.3095**, and the grayscale version is **30.6556, 32.2521, 35.1225**.

A 20% lighter version of the original color is **59.7348, 55.7515, 15.7964**, and **22.9036, 15.7469, 1.8323** is the 20% darker color. If you saturate the color by 10%, you get **45.6194, 32.7144, 3.9103**, and if you desaturate by 10%, it is **49.7403, 40.0349, 8.1241**.

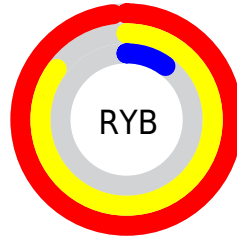
Distribution



Red (98%)

Green (51%)

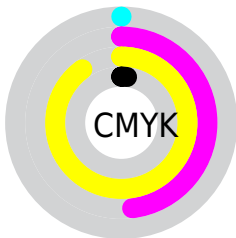
Blue (10%)



Red (98%)

Yellow (85%)

Blue (10%)

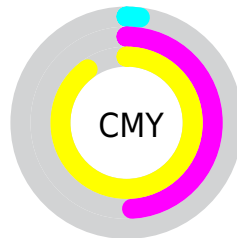


Cyan (0%)

Magenta (48%)

Yellow (90%)

Black (2%)



Cyan (2%)


Magenta (49%)


Yellow (90%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 47.4501, 36.0947, 5.3858 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 47.4501, 36.0947, 5.3858 by changing the saturation by 10% instead.


 47.4501, 36.0947,
5.3858


 47.4501, 36.0947,
5.3858

367.2273,
329.3743, 162.5681


 33.6011, 24.5073,
2.4127


 85.5998, 69.1782,
17.0972

 22.7487, 15.7104,
0.7933


 110.6311, 91.4431,
26.6726


 14.5277, 9.3195,
0.0000


 140.1205,
118.0361, 39.2858

 8.5728, 4.9501,
0.0000

 174.4335,
149.3414, 55.3553

 4.5185, 2.2180,
0.0000

 213.9353,
185.7435, 75.2998

 1.9994, 0.7298,
0.0000

 258.9913,

 0.6336, 0.0000,

227.6267, 99.5377

0.0000

309.9668,
275.3755, 128.4876

■ 0.0000, 0.0000,
0.0000

■ 47.4501, 36.0947,
5.3858

■ 47.4501, 36.0947,
5.3858

■ 45.6194, 32.7144,
3.9103

■ 49.7403, 40.0349,
8.1241

■ 45.6190, 32.7137,
3.9100

■ 52.5652, 44.5738,
12.4907

■ 55.9757, 49.7464,
18.7097

■ 60.0148, 55.5822,
26.9690

■ 64.7206, 62.1083,
37.4332

70.1278, 69.3500,
50.2497

76.2682, 77.3308,
65.5531

83.1718, 86.0733,
83.4677

90.8664, 95.5988,
104.1096

Harmonies

Analogous

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



58.6565, 36.0947, 14.8642



47.4501, 36.0947, 5.3858



34.5119, 36.0947, 3.2968

Triad

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



47.4501, 36.0947, 5.3858



15.9756, 36.0947, 38.7181



47.0116, 36.0947, 129.8500

Complementary

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



47.4501, 36.0947, 5.3858



27.9346, 27.6656, 94.3095

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.



34.1028, 36.0947, 149.8488



47.4501, 36.0947, 5.3858



17.8458, 36.0947, 81.8075

Square

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



47.4501, 36.0947, 5.3858



17.9784, 36.0947, 14.3398



23.8469, 36.0947, 128.5548



58.3645, 36.0947, 83.4729

Rectangle

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



47.4501, 36.0947, 5.3858



27.1477, 36.0947, 4.0793



23.8469, 36.0947, 128.5548



42.6256, 36.0947, 140.7704

Sweetspot

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



47.4509, 36.0967, 5.3864



75.1840, 74.9417, 57.0406



45.1768, 23.1814, 30.4234



15.6439, 15.4513, 11.1106



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.



47.4509, 36.0967, 5.3864



47.7035, 34.1869, 4.0845



70.3928, 81.9805, 13.0337



17.9058, 18.5475, 18.0987



24.3384, 17.6335, 2.1208



2.3590, 1.8428, 0.2314

Inverse Universe

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



27.9346, 27.6656, 94.3095



27.0138, 25.1475, 98.0379



18.2949, 8.3861, 91.0963



17.0562, 18.1892, 21.9972



13.8526, 13.0608, 49.7644



1.3891, 1.4218, 4.6444

Previews

White Background



This preview shows how the XYZ color 47.4501, 36.0947, 5.3858 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 47.4501, 36.0947, 5.3858 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 47.4501, 36.0947, 5.3858

Background



This preview shows how black text looks on a background with the XYZ color 47.4501, 36.0947, 5.3858.



This preview shows how white text looks on a background with the XYZ color 47.4501, 36.0947,

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

47.4501, 36.0947, 5.3858

Protanopia

32.9144, 36.3772, 6.8001

Deuteranopia

36.7324, 36.0903, 5.0301



Tritanopia

51.5520, 36.0888, 25.0176

Trichromacy



Original Color

47.4501, 36.0947, 5.3858

Protanomaly

37.0461, 35.4975, 6.1955

Deuteranomaly

39.9935, 35.6427, 5.0303

Tritanomaly

49.4793, 35.8039, 14.2005

Monochromacy



Original Color

47.4501, 36.0947, 5.3858

Achromatopsia

30.2779, 31.8547, 34.6897

Achromatomaly

33.3138, 31.6785, 17.9944

CSS Examples

Text

The CSS property to change the color of the text to XYZ 47.4501, 36.0947, 5.3858 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(250, 129, 25)` looks like.

```
.text, #text, p{  
    color:rgb(250, 129, 25)  
}
```

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(250, 129, 25) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(250, 129, 25) }
```

Border

The CSS property to change the border of an element to XYZ 47.4501, 36.0947, 5.3858 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(250, 129, 25) }
```


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

```
.border{ border-color:rgb(250, 129, 25) }
```

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

Here you see how a box with a 4 pixel rgb(250, 129, 25) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(250, 129, 25); -webkit-box-  
shadow:4px 4px 4px 4px rgb(250, 129, 25);  
box-shadow:4px 4px 4px 4px rgb(250, 129,  
25) }
```

Background

The CSS property to change the background color of an element to XYZ 47.4501, 36.0947, 5.3858 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(250, 129, 25) }
```

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

```
.background{ background-color: rgb(250,  
129, 25) }
```

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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