

Converting Colors

$Y_{xy}(36.1745, 0.5282, 0.4010)$

Have a look what the booklet for
Yxy(36.1745, 0.5282, 0.4010)
contains.

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Color

Yxy(36.1710, 0.5282, 0.4010)

Conversions

Conversions Part 1

Format	Color
Hex	FA8127
RGB	250, 129, 39
RGB Percent	98%, 51%, 15%
CMY	0.0195, 0.4941, 0.8472
CMYK	0.00, 0.48, 0.84, 0.02
HSL	26°, 95%, 57%
HSV	26°, 84%, 98%
XYZ	47.6447, 36.1710, 6.3863
YIQ	154.9190, 101.0060, -2.3380

Conversions

Conversions Part 2

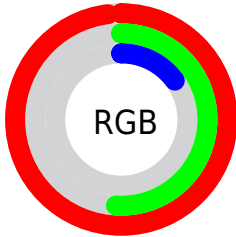
Format	Color
R _Y B	250, 196, 39
Decimal	16417063
CIE Lab	66.65, 40.94, 64.79
CIE LCh	67, 76.642, 57.716
Yxy	36.1710, 0.5282, 0.4010
Android (android.graphics.Color)	4294607143 (0xFFFA8127)
YUV	154.9190, -57.1481, 83.3860
Hunter-Lab	60.1423, 36.1584, 35.8038

Details

The Yxy color **36.1710, 0.5282, 0.4010** 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 **32.4681, 0.1938, 0.2052**, and the grayscale version is **32.9638, 0.3127, 0.3290**.

A 20% lighter version of the original color is **55.9173, 0.4487, 0.4172**, and **15.7469, 0.5658, 0.3890** is the 20% darker color. If you saturate the color by 10%, you get **32.5429, 0.5532, 0.3948**, and if you desaturate by 10%, it is **40.4418, 0.4989, 0.4017**.

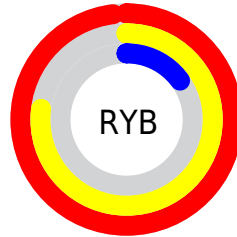
Distribution



Red (98%)

Green (51%)

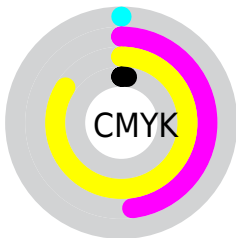
Blue (15%)



Red (98%)

Yellow (77%)

Blue (15%)

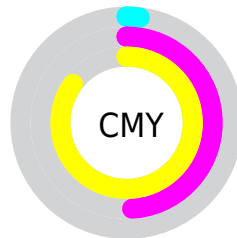


Cyan (0%)

Magenta (48%)

Yellow (84%)

Black (2%)



Cyan (2%)


Magenta (49%)


Yellow (85%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 36.1710, 0.5282, 0.4010 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 Yxy color 36.1710, 0.5282, 0.4010 by changing the saturation by 10% instead.

 36.1710, 0.5282,
0.4010


 36.1710, 0.5282,
0.4010


329.7073, 0.4232,
0.3792

 24.5663, 0.5504,
0.4006


 69.2959, 0.4925,
0.3973


 15.7542, 0.5757,
0.3966


 91.5849, 0.4782,
0.3946


 9.3504, 0.6099,
0.3901


 118.2041, 0.4658,
0.3918

 4.9704, 0.6347,
0.3653

 149.5380, 0.4550,
0.3890

 2.2299, 0.6715,
0.3285

 185.9708, 0.4456,
0.3864

 0.7362, 0.7332,
0.2668

 227.8871, 0.4372,

 0.0000, 1.0000,

0.3838

0.0000

275.6711, 0.4298,
0.3814

■ 0.0000, 0.0000,
0.0000

■ 36.1710, 0.5282,
0.4010

■ 36.1710, 0.5282,
0.4010

■ 32.5429, 0.5532,
0.3948

■ 40.4418, 0.4989,
0.4017


■ 30.7710, 0.5652,
0.3895


■ 45.3886, 0.4677,
0.3975


■ 51.0480, 0.4367,
0.3896


■ 57.4516, 0.4076,
0.3794

■ 64.6288, 0.3812,
0.3680

 72.6070, 0.3577,
0.3562

 81.4121, 0.3373,
0.3447

 91.0688, 0.3197,
0.3336

 99.0669, 0.3096,
0.3290

Harmonies

Analogous

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



36.1710, 0.5236, 0.3265



36.1710, 0.5282, 0.4010



36.1710, 0.4682, 0.4801

Triad

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



36.1710, 0.5282, 0.4010



36.1710, 0.1854, 0.4032



36.1710, 0.2194, 0.1734

Complementary

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



36.1710, 0.5282, 0.4010



32.4681, 0.1938, 0.2052

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.



36.1710, 0.1574, 0.1700



36.1710, 0.5282, 0.4010



36.1710, 0.1389, 0.2754

Square

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



36.1710, 0.5282, 0.4010



36.1710, 0.2718, 0.5223



36.1710, 0.1315, 0.1996



36.1710, 0.3208, 0.2044

Rectangle

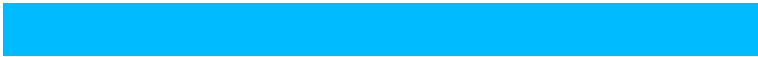
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



36.1710, 0.5282, 0.4010



36.1710, 0.4079, 0.5258



36.1710, 0.1315, 0.1996



36.1710, 0.1943, 0.1690

Sweetspot

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



36.1730, 0.5282, 0.4010



75.4070, 0.3591, 0.3569



24.3867, 0.4341, 0.2268



15.4951, 0.3670, 0.3611



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



36.1730, 0.5282, 0.4010



32.1512, 0.5653, 0.3893



78.4276, 0.4281, 0.4883



18.4426, 0.3283, 0.3392



16.5913, 0.5623, 0.3917



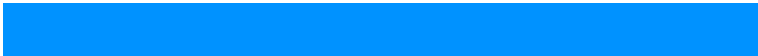
1.7420, 0.5413, 0.4084

Inverse Universe

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



32.4681, 0.1938, 0.2052



27.8445, 0.1833, 0.1800



10.2155, 0.1612, 0.0843



18.2957, 0.2980, 0.3186



14.4285, 0.1841, 0.1827



1.5466, 0.1894, 0.2018

Previews

White Background



This preview shows how the Yxy color 36.1710, 0.5282, 0.4010 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 Yxy color 36.1710, 0.5282, 0.4010 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](#).

Yxy 36.1710, 0.5282, 0.4010

Background



This preview shows how black text looks on a background with the Yxy color 36.1710, 0.5282, 0.4010.



This preview shows how white text looks on a background with the Yxy color 36.1710, 0.5282, 0.4010.

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

36.1710, 0.5282, 0.4010

Protanopia

36.3529, 0.4256, 0.4700

Deuteranopia

36.1649, 0.4668, 0.4572



Tritanopia

36.3306, 0.4570, 0.3213

Trichromacy



Original Color

36.1710, 0.5282, 0.4010

Protanomaly

35.5881, 0.4645, 0.4435

Deuteranomaly

35.7219, 0.4902, 0.4357

Tritanomaly

36.1425, 0.4915, 0.3565

Monochromacy



Original Color

36.1710, 0.5282, 0.4010

Achromatopsia

32.7778, 0.3127, 0.3290

Achromatomaly

32.6972, 0.3951, 0.3745

CSS Examples

Text

The CSS property to change the color of the text to Yxy 36.1710, 0.5282, 0.4010 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, 39)` looks like.

```
.text, #text, p{  
    color:rgb(250, 129, 39)  
}
```

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, 39) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(250, 129, 39) }
```

Border

The CSS property to change the border of an element to Yxy 36.1710, 0.5282, 0.4010 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, 39) }
```

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

```
.border{ border-color:rgb(250, 129, 39) }
```

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, 39)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(250, 129, 39); -webkit-box-  
shadow:4px 4px 4px 4px rgb(250, 129, 39);  
box-shadow:4px 4px 4px 4px rgb(250, 129,  
39) }
```


Background

The CSS property to change the background color of an element to Yxy 36.1710, 0.5282, 0.4010 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, 39) }
```

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

```
.background{ background-color: rgb(250,  
129, 39) }
```

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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