

Converting Colors

$Y_{xy}(36.0580, 0.5384, 0.4107)$

Have a look what the booklet for
Yxy(36.0580, 0.5384, 0.4107)
contains.

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Color

Yxy(36.0245, 0.5387, 0.4105)

Conversions

Conversions Part 1

Format	Color
Hex	FA8100
RGB	250, 129, 0
RGB Percent	98%, 51%, 0%
CMY	0.0196, 0.4941, 1.0000
CMYK	0.00, 0.48, 1.00, 0.02
HSL	31°, 100%, 49%
HSV	31°, 100%, 98%
XYZ	47.2750, 36.0245, 4.4581
YIQ	150.4730, 113.5250, -14.4670

Conversions

Conversions Part 2

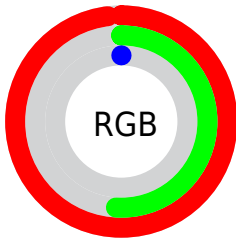
Format	Color
RYB	234, 250, 0
Decimal	16417024
CIELab	66.54, 40.39, 73.38
CIELCh	67, 83.756, 61.171
Yxy	36.0245, 0.5387, 0.4105
Android (android.graphics.Color)	4294607104 (0xFFFA8100)
YUV	150.4730, -74.1832, 87.2852
Hunter-Lab	60.0204, 35.5596, 37.6105

Details

The Yxy color **36.0245, 0.5387, 0.4105** is a dark color, and the websafe version is hex **FF9900**. The color can be described as dark saturated orange. A complement of this color would be **20.5762, 0.1748, 0.1493**, and the grayscale version is **30.9985, 0.3127, 0.3290**.

A 20% lighter version of the original color is **55.6080, 0.4607, 0.4314**, and **15.7469, 0.5658, 0.3890** is the 20% darker color. If you saturate the color by 10%, you get **36.0267, 0.5387, 0.4105**, and if you desaturate by 10%, it is **39.4758, 0.5196, 0.4174**.

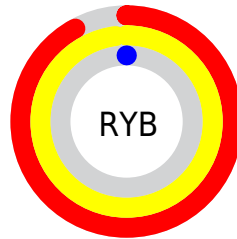
Distribution



Red (98%)

Green (51%)

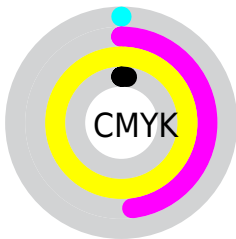
Blue (0%)



Red (92%)

Yellow (98%)

Blue (0%)

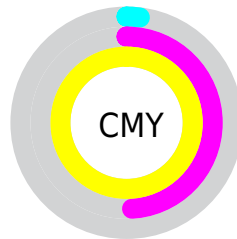


Cyan (0%)

Magenta (48%)

Yellow (100%)

Black (2%)



Cyan (2%)


Magenta (49%)


Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 36.0245, 0.5387, 0.4105 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 36.0245, 0.5387, 0.4105 by changing the saturation by 10% instead.


 36.0245, 0.5387,
0.4105


 36.0245, 0.5387,
0.4105


329.0676, 0.4318,
0.3877

 24.4531, 0.5596,
0.4089


 69.0699, 0.5036,
0.4076


 15.6701, 0.5837,
0.4040


 91.3127, 0.4891,
0.4049

 9.2910, 0.6086,
0.3914


 117.8814, 0.4765,
0.4019

 4.9315, 0.6333,
0.3667

 149.1604, 0.4653,
0.3988

 2.2071, 0.6700,
0.3300

 185.5342, 0.4554,
0.3958


 0.7239, 0.7321,
0.2679

 227.3870, 0.4467,


 0.0000, 1.0000,

0.3930

0.0000


 275.1034, 0.4388,
0.3903


 0.0000, 0.0000,
0.0000


 36.0245, 0.5387,
0.4105


 36.0245, 0.5387,
0.4105


 36.0267, 0.5387,
0.4105

 39.4758, 0.5196,
0.4174

 43.4047, 0.4968,
0.4193

 47.8531, 0.4710,
0.4158

 52.8492, 0.4439,
0.4078

 58.4179, 0.4171,
0.3966

64.5822, 0.3917,
0.3835

71.3631, 0.3684,
0.3696

78.7807, 0.3475,
0.3556

86.8536, 0.3290,
0.3419

Harmonies

Analogous

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



36.0245, 0.5468, 0.3317



36.0245, 0.5387, 0.4105



36.0245, 0.4654, 0.4968

Triad

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



36.0245, 0.5387, 0.4105



36.0245, 0.1664, 0.3916



36.0245, 0.2221, 0.1655

Complementary

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



36.0245, 0.5387, 0.4105



20.5762, 0.1748, 0.1493

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.



36.0245, 0.1524, 0.1580



36.0245, 0.5387, 0.4105



36.0245, 0.1241, 0.2563

Square

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



36.0245, 0.5387, 0.4105



36.0245, 0.2535, 0.5332



36.0245, 0.1214, 0.1834



36.0245, 0.3355, 0.2011

Rectangle

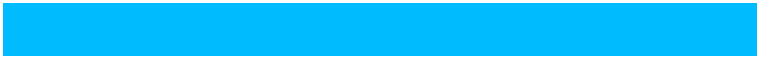
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



36.0245, 0.5387, 0.4105



36.0245, 0.3983, 0.5470



36.0245, 0.1214, 0.1834



36.0245, 0.1940, 0.1598

Sweetspot

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



36.0267, 0.5387, 0.4105



74.6246, 0.3685, 0.3696



21.8052, 0.4999, 0.2528



15.3150, 0.3780, 0.3756



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.



36.0267, 0.5387, 0.4105



37.6502, 0.5388, 0.4104



88.6975, 0.4193, 0.5053



18.7067, 0.3281, 0.3413



19.3990, 0.5362, 0.4124



2.0090, 0.5185, 0.4265

Inverse Universe

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



20.5762, 0.1748, 0.1493



21.4891, 0.1748, 0.1491



6.9023, 0.1500, 0.0600



18.0296, 0.2980, 0.3164



11.1993, 0.1756, 0.1522



1.2485, 0.1817, 0.1742

Previews

White Background



This preview shows how the Yxy color 36.0245, 0.5387, 0.4105 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 36.0245, 0.5387, 0.4105 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 36.0245, 0.5387, 0.4105

Background



This preview shows how black text looks on a background with the Yxy color 36.0245, 0.5387, 0.4105.



This preview shows how white text looks on a background with the Yxy color 36.0245, 0.5387, 0.4105.

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

36.0245, 0.5387, 0.4105

Protanopia

36.3158, 0.4364, 0.4838

Deuteranopia

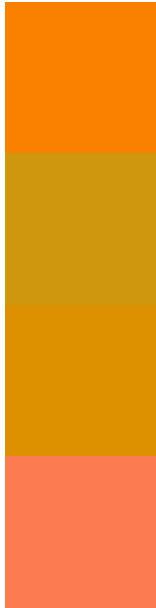
36.0903, 0.4718, 0.4636



Tritanopia

36.0623, 0.4588, 0.3214

Trichromacy



Original Color

36.0245, 0.5387, 0.4105

Protanomaly

35.4277, 0.4753, 0.4567

Deuteranomaly

35.6229, 0.4972, 0.4434

Tritanomaly

35.6426, 0.5070, 0.3682

Monochromacy



Original Color

36.0245, 0.5387, 0.4105

Achromatopsia

30.4987, 0.3127, 0.3290

Achromatomaly

30.6113, 0.4120, 0.3942

CSS Examples

Text

The CSS property to change the color of the text to Yxy 36.0245, 0.5387, 0.4105 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, 0)` looks like.

```
.text, #text, p{  
    color:rgb(250, 129, 0)  
}
```

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, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(250, 129, 0) }
```

Border

The CSS property to change the border of an element to Yxy 36.0245, 0.5387, 0.4105 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, 0) }
```

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

```
.border{ border-color:rgb(250, 129, 0) }
```

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, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(250, 129, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(250, 129, 0);  
box-shadow:4px 4px 4px 4px rgb(250, 129,  
0) }
```


Background

The CSS property to change the background color of an element to $\text{Yxy } 36.0245, 0.5387, 0.4105$ 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, 0) }
```

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

```
.background{ background-color: rgb(250,  
129, 0) }
```

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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