

# Converting Colors

$Yxy(36.8418, 0.5260, 0.4047)$

Have a look what the booklet for  
Yxy(36.8418, 0.5260, 0.4047)  
contains.

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**Color**

**Yxy(36.9601, 0.5257, 0.4047)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FA8425
RGB	250, 132, 37
RGB Percent	98%, 52%, 15%
CMY	0.0196, 0.4823, 0.8548
CMYK	0.00, 0.47, 0.85, 0.02
HSL	27°, 96%, 56%
HSV	27°, 85%, 98%
XYZ	48.0107, 36.9601, 6.3564
YIQ	156.4520, 100.8230, -4.5290

# Conversions

## Conversions Part 2

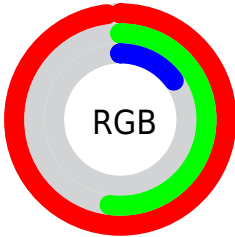
Format	Color
R <sub>Y</sub> B	250, 208, 37
Decimal	16417829
CIE Lab	67.25, 39.38, 65.94
CIE LCh	67, 76.807, 59.157
Yxy	36.9601, 0.5257, 0.4047
Android (android.graphics.Color)	4294607909 (0xFFFA8425)
YUV	156.4520, -58.8898, 82.0416
Hunter-Lab	60.7948, 34.5735, 36.3573

# Details

The Yxy color **36.9601, 0.5257, 0.4047** 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 **30.7493, 0.1915, 0.1980**, and the grayscale version is **33.6962, 0.3127, 0.3290**.

A 20% lighter version of the original color is **57.1505, 0.4471, 0.4207**, and **16.1764, 0.5611, 0.3926** is the 20% darker color. If you saturate the color by 10%, you get **33.3441, 0.5495, 0.3984**, and if you desaturate by 10%, it is **41.1862, 0.4976, 0.4054**.

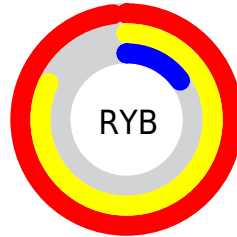
# Distribution



Red (98%)

Green (52%)

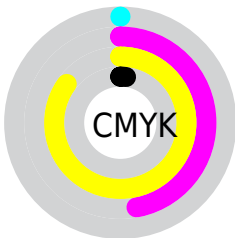
Blue (15%)



Red (98%)

Yellow (82%)

Blue (15%)

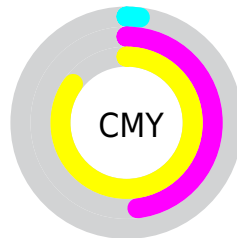


Cyan (0%)

Magenta (47%)

Yellow (85%)

Black (2%)



Cyan (2%)

Magenta (48%)


Yellow (85%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 36.9601, 0.5257, 0.4047 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 36.9601, 0.5257, 0.4047 by changing the saturation by 10% instead.




 36.9601, 0.5257,  
0.4047


 36.9601, 0.5257,  
0.4047

333.1377, 0.4226,  
0.3811

 25.1766, 0.5473,  
0.4047


 70.5114, 0.4908,  
0.4004


 16.2087, 0.5717,  
0.4013


 93.0480, 0.4768,  
0.3975

 9.6719, 0.6045,  
0.3955


 119.9378, 0.4646,  
0.3945

 5.1820, 0.6281,  
0.3719

 151.5651, 0.4540,  
0.3915

 2.3544, 0.6632,  
0.3368

 188.3143, 0.4447,  
0.3887

 0.8023, 0.7205,  
0.2795

 230.5699, 0.4364,

 0.0000, 1.0000,

0.3860

0.0000

278.7163, 0.4291,  
0.3834

0.0000, 0.0000,  
0.0000

36.9601, 0.5257,  
0.4047

36.9601, 0.5257,  
0.4047

33.3441, 0.5495,  
0.3984

41.1862, 0.4976,  
0.4054


31.7996, 0.5595,  
0.3939

46.0537, 0.4675,  
0.4011

51.5974, 0.4373,  
0.3931

57.8471, 0.4086,  
0.3825

64.8304, 0.3825,  
0.3706

 72.5731, 0.3591,  
0.3584

 81.0997, 0.3387,  
0.3463

 90.4332, 0.3209,  
0.3347

 99.0644, 0.3096,  
0.3290

# Harmonies

## Analogous

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



36.9601, 0.5247, 0.3301



36.9601, 0.5257, 0.4047



36.9601, 0.4638, 0.4833

# Triad

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



36.9601, 0.5257, 0.4047



36.9601, 0.1828, 0.3961



36.9601, 0.2238, 0.1748

# Complementary

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



36.9601, 0.5257, 0.4047



30.7493, 0.1915, 0.1980

# 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.



36.9601, 0.1601, 0.1701



36.9601, 0.5257, 0.4047



36.9601, 0.1384, 0.2708

# Square

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



36.9601, 0.5257, 0.4047



36.9601, 0.2674, 0.5174



36.9601, 0.1327, 0.1978



36.9601, 0.3264, 0.2070



# Rectangle

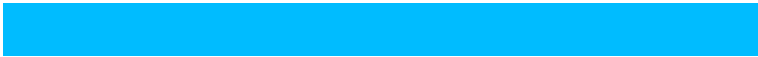
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



36.9601, 0.5257, 0.4047



36.9601, 0.4030, 0.5275



36.9601, 0.1327, 0.1978



36.9601, 0.1981, 0.1701

# Sweetspot

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



36.9621, 0.5257, 0.4047



75.2019, 0.3610, 0.3594



24.1085, 0.4413, 0.2301



15.4807, 0.3688, 0.3637



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.



36.9621, 0.5257, 0.4047



33.2304, 0.5597, 0.3938



80.3363, 0.4260, 0.4910



18.4995, 0.3283, 0.3396



17.1443, 0.5567, 0.3961



1.7958, 0.5363, 0.4124

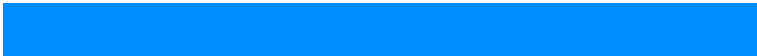


# Inverse Universe

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



30.7493, 0.1915, 0.1980



26.3540, 0.1814, 0.1731



9.6842, 0.1599, 0.0806



18.2379, 0.2980, 0.3182



13.6730, 0.1822, 0.1760



1.4779, 0.1877, 0.1958



# Previews

## White Background



This preview shows how the Yxy color 36.9601, 0.5257, 0.4047 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 36.9601, 0.5257, 0.4047 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 36.9601, 0.5257, 0.4047**

## **Background**



This preview shows how black text looks on a background with the Yxy color 36.9601, 0.5257, 0.4047.



This preview shows how white text looks on a background with the Yxy color 36.9601, 0.5257, 0.4047.

# 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

36.9601, 0.5257, 0.4047

### Protanopia

37.2901, 0.4271, 0.4727

### Deuteranopia

37.1042, 0.4672, 0.4589



## Tritanopia

36.9027, 0.4523, 0.3203

# Trichromacy



## Original Color

36.9601, 0.5257, 0.4047

## Protanomaly

36.3595, 0.4647, 0.4467

## Deuteranomaly

36.6393, 0.4906, 0.4376

## Tritanomaly

36.6674, 0.4889, 0.3576

# Monochromacy



## Original Color

36.9601, 0.5257, 0.4047

## Achromatopsia

33.2452, 0.3127, 0.3290

## Achromatomaly

33.0068, 0.3945, 0.3758

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 36.9601, 0.5257, 0.4047 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, 132, 37)` looks like.

```
.text, #text, p{  
    color:rgb(250, 132, 37)  
}
```

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, 132, 37) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(250, 132, 37) }
```

## Border

The CSS property to change the border of an element to Yxy 36.9601, 0.5257, 0.4047 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, 132, 37) }
```

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

```
.border{ border-color:rgb(250, 132, 37) }
```

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

Here you see how a box with a 4 pixel `rgb(250, 132, 37)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(250, 132, 37); -webkit-box-  
shadow:4px 4px 4px 4px rgb(250, 132, 37);  
box-shadow:4px 4px 4px 4px rgb(250, 132,  
37) }
```



# Background

The CSS property to change the background color of an element to Yxy 36.9601, 0.5257, 0.4047 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(250, 132, 37) }
```

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

```
.background{ background-color: rgb(250,  
132, 37) }
```

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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