

Converting Colors

$Y_{xy}(40.4061, 0.5056, 0.4259)$

Have a look what the booklet for
Yxy(40.4061, 0.5056, 0.4259)
contains.

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Color

Yxy(40.5066, 0.5059, 0.4257)

Conversions

Conversions Part 1

Format	Color
Hex	F4941E
RGB	244, 148, 30
RGB Percent	96%, 58%, 12%
CMY	0.0431, 0.4196, 0.8824
CMYK	0.00, 0.39, 0.88, 0.04
HSL	33°, 91%, 54%
HSV	33°, 88%, 96%
XYZ	48.1379, 40.5066, 6.5085
YIQ	163.2520, 95.0940, -16.3460

Conversions

Conversions Part 2

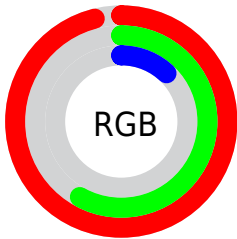
Format	Color
R_{YB}	204, 244, 30
Decimal	16028702
CIE Lab	69.83, 28.60, 69.78
CIE LCh	70, 75.415, 67.713
Yxy	40.5066, 0.5059, 0.4257
Android (android.graphics.Color)	4294218782 (0xFFFF4941E)
YUV	163.2520, -65.6932, 70.8160
Hunter-Lab	63.6448, 23.6304, 38.4882

Details

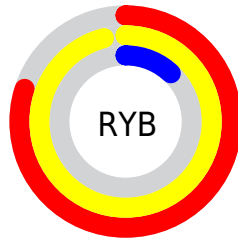
The Yxy color **40.5066, 0.5059, 0.4257** is a dark color, and the websafe version is hex **FF9933**. The color can be described as middle washed orange. A complement of this color would be **21.7337, 0.1808, 0.1615**, and the grayscale version is **37.0347, 0.3127, 0.3290**.

A 20% lighter version of the original color is **64.2223, 0.4369, 0.4373**, and **18.3731, 0.5300, 0.4174** is the 20% darker color. If you saturate the color by 10%, you get **37.1538, 0.5241, 0.4206**, and if you desaturate by 10%, it is **44.2835, 0.4840, 0.4254**.

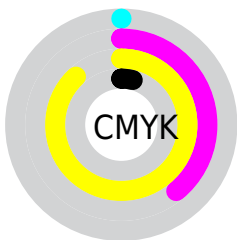
Distribution



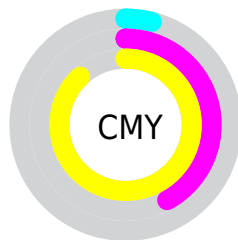
- Red (96%)
- Green (58%)
- Blue (12%)



- Red (80%)
- Yellow (96%)
- Blue (12%)



- Cyan (0%)
- Magenta (39%)
- Yellow (88%)
- Black (4%)





- Cyan (4%)
- Magenta (42%)
- Yellow (88%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 40.5066, 0.5059, 0.4257 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 40.5066, 0.5059, 0.4257 by changing the saturation by 10% instead.


 40.5066, 0.5059,
0.4257


 40.5066, 0.5059,
0.4257


348.2542, 0.4151,
0.3908

 27.9338, 0.5240,
0.4287


 75.9343, 0.4759,
0.4172


 18.2757, 0.5441,
0.4292


 99.5580, 0.4636,
0.4127


 11.1481, 0.5710,
0.4290


 127.6341, 0.4528,
0.4084

 6.1666, 0.5878,
0.4122

 160.5469, 0.4434,
0.4043

 2.9466, 0.6128,
0.3872

 198.6810, 0.4350,
0.4005

 1.1039, 0.6537,
0.3463

 242.4206, 0.4276,

 0.0000, 1.0000,

0.3970

0.0000

292.1502, 0.4210,
0.3938

■ 0.0000, 0.0000,
0.0000

■ 40.5066, 0.5059,
0.4257

■ 40.5066, 0.5059,
0.4257

■ 37.1538, 0.5241,
0.4206

■ 44.2835, 0.4840,
0.4254


■ 36.4371, 0.5280,
0.4190


■ 48.5068, 0.4595,
0.4200


■ 53.2022, 0.4340,
0.4103

■ 58.3904, 0.4087,
0.3978

■ 64.0904, 0.3848,
0.3837

 70.3199, 0.3627,
0.3688

 77.0955, 0.3427,
0.3539

 84.4327, 0.3250,
0.3396

 92.3465, 0.3093,
0.3260

Harmonies

Analogous

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



40.5066, 0.5235, 0.3517



40.5066, 0.5059, 0.4257



40.5066, 0.4358, 0.4984

Triad

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



40.5066, 0.5059, 0.4257



40.5066, 0.1718, 0.3558



40.5066, 0.2523, 0.1866

Complementary

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



40.5066, 0.5059, 0.4257



21.7337, 0.1808, 0.1615

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.



40.5066, 0.1795, 0.1741



40.5066, 0.5059, 0.4257



40.5066, 0.1396, 0.2489

Square

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



40.5066, 0.5059, 0.4257



40.5066, 0.2442, 0.4809



40.5066, 0.1431, 0.1917



40.5066, 0.3590, 0.2249

Rectangle

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



40.5066, 0.5059, 0.4257



40.5066, 0.3740, 0.5305



40.5066, 0.1431, 0.1917



40.5066, 0.2237, 0.1794

Sweetspot

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



40.5087, 0.5059, 0.4257



78.9093, 0.3592, 0.3663



21.6789, 0.4885, 0.2548



16.3564, 0.3665, 0.3715



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.



40.5087, 0.5059, 0.4257



40.1904, 0.5283, 0.4187



82.1850, 0.4091, 0.5071



17.9974, 0.3280, 0.3421



20.0858, 0.5258, 0.4207



1.9704, 0.5088, 0.4342

Inverse Universe

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



21.7337, 0.1808, 0.1615



19.3463, 0.1716, 0.1377



7.9258, 0.1583, 0.0709



17.1509, 0.2980, 0.3156



9.8173, 0.1725, 0.1410



1.0649, 0.1792, 0.1649

Previews

White Background



This preview shows how the Yxy color 40.5066, 0.5059, 0.4257 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 40.5066, 0.5059, 0.4257 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 40.5066, 0.5059, 0.4257

Background



This preview shows how black text looks on a background with the Yxy color 40.5066, 0.5059, 0.4257.



This preview shows how white text looks on a background with the Yxy color 40.5066, 0.5059, 0.4257.

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

40.5066, 0.5059, 0.4257

Protanopia

40.4597, 0.4327, 0.4781

Deuteranopia

40.4833, 0.4697, 0.4598



Tritanopia

40.4548, 0.4214, 0.3186

Trichromacy



Original Color

40.5066, 0.5059, 0.4257

Protanomaly

40.1588, 0.4597, 0.4587

Deuteranomaly

40.3406, 0.4832, 0.4475

Tritanomaly

40.1401, 0.4633, 0.3677

Monochromacy



Original Color

40.5066, 0.5059, 0.4257

Achromatopsia

36.6253, 0.3127, 0.3290

Achromatomaly

36.8980, 0.3887, 0.3870

CSS Examples

Text

The CSS property to change the color of the text to Yxy 40.5066, 0.5059, 0.4257 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(244, 148, 30)` looks like.

```
.text, #text, p{  
    color:rgb(244, 148, 30)  
}
```

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(244, 148, 30) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(244, 148, 30) }
```

Border

The CSS property to change the border of an element to Yxy 40.5066, 0.5059, 0.4257 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(244, 148, 30) }
```

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

```
.border{ border-color:rgb(244, 148, 30) }
```

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

Here you see how a box with a 4 pixel rgb(244, 148, 30) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(244, 148, 30); -webkit-box-  
shadow:4px 4px 4px 4px rgb(244, 148, 30);  
box-shadow:4px 4px 4px 4px rgb(244, 148,  
30) }
```


Background

The CSS property to change the background color of an element to Yxy 40.5066, 0.5059, 0.4257 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(244, 148, 30) }
```

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

```
.background{ background-color: rgb(244,  
148, 30) }
```

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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