

Converting Colors

$Y_{xy}(43.5230, 0.5020, 0.4359)$

Have a look what the booklet for
Yxy(43.5230, 0.5020, 0.4359)
contains.

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Color

Yxy(43.4043, 0.5019, 0.4359)

Conversions

Conversions Part 1

Format	Color
Hex	F69C0F
RGB	246, 156, 15
RGB Percent	96%, 61%, 6%
CMY	0.0354, 0.3882, 0.9414
CMYK	0.00, 0.37, 0.94, 0.04
HSL	37°, 93%, 51%
HSV	37°, 94%, 96%
XYZ	49.9762, 43.4043, 6.1935
YIQ	166.8360, 98.9010, -24.7710

Conversions

Conversions Part 2

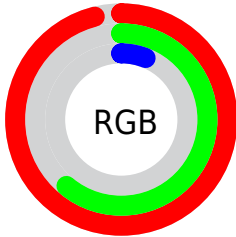
Format	Color
R_{YB}	162, 246, 15
Decimal	16161807
CIE _{Lab}	71.83, 24.99, 74.51
CIE _{LCh}	72, 78.591, 71.458
Y _{xy}	43.4043, 0.5019, 0.4359
Android (android.graphics.Color)	4294351887 (0xFFFF69C0F)
YUV	166.8360, -74.8551, 69.4268
Hunter-Lab	65.8819, 20.1117, 40.5436

Details

The Yxy color **43.4043, 0.5019, 0.4359** is a dark color, and the websafe version is hex **FF9900**. The color can be described as middle saturated orange. A complement of this color would be **16.8401, 0.1709, 0.1316**, and the grayscale version is **38.8940, 0.3127, 0.3290**.

A 20% lighter version of the original color is **68.4577, 0.4339, 0.4497**, and **20.1704, 0.5191, 0.4260** is the 20% darker color. If you saturate the color by 10%, you get **41.4646, 0.5107, 0.4327**, and if you desaturate by 10%, it is **46.8654, 0.4850, 0.4377**.

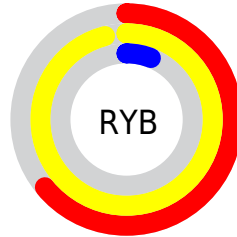
Distribution



Red (96%)

Green (61%)

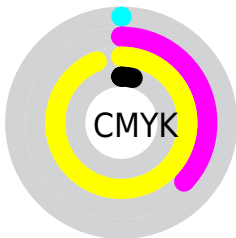
Blue (6%)



Red (64%)

Yellow (96%)

Blue (6%)

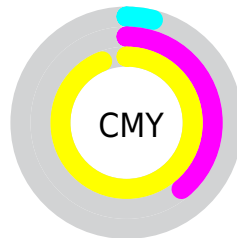


Cyan (0%)

Magenta (37%)

Yellow (94%)

Black (4%)



Cyan (4%)


Magenta (39%)

Yellow (94%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 43.4043, 0.5019, 0.4359 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 43.4043, 0.5019, 0.4359 by changing the saturation by 10% instead.


 43.4043, 0.5019,
0.4359


 43.4043, 0.5019,
0.4359


360.2718, 0.4155,
0.3970


 30.2025, 0.5183,
0.4396


 80.3206, 0.4740,
0.4262

 19.9923, 0.5361,
0.4410


 104.8039, 0.4624,
0.4212


 12.3895, 0.5587,
0.4413


 133.8164, 0.4521,
0.4164

 7.0095, 0.5726,
0.4274

 167.7426, 0.4430,
0.4119

 3.4680, 0.5932,
0.4068

 206.9668, 0.4349,
0.4077

 1.3807, 0.6264,
0.3736

 251.8735, 0.4277,

 0.2024, 0.7986,

0.4039

0.2014

302.8470, 0.4213,
0.4003

■ 0.0000, 0.0000,
0.0000

■ 43.4043, 0.5019,
0.4359

■ 43.4043, 0.5019,
0.4359

■ 41.4646, 0.5107,
0.4327

■ 46.8654, 0.4850,
0.4377

■ 50.6893, 0.4649,
0.4341

■ 54.9014, 0.4426,
0.4257

■ 59.5212, 0.4194,
0.4136

■ 64.5663, 0.3964,
0.3990

70.0527, 0.3745,
0.3830

75.9953, 0.3541,
0.3666

82.4081, 0.3355,
0.3504

89.3041, 0.3188,
0.3349

Harmonies

Analogous

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



43.4043, 0.5286, 0.3604



43.4043, 0.5019, 0.4359



43.4043, 0.4259, 0.5084

Triad

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



43.4043, 0.5019, 0.4359



43.4043, 0.1633, 0.3399



43.4043, 0.2631, 0.1881

Complementary

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



43.4043, 0.5019, 0.4359



16.8401, 0.1709, 0.1316

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.



43.4043, 0.1846, 0.1721



43.4043, 0.5019, 0.4359



43.4043, 0.1358, 0.2373

Square

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



43.4043, 0.5019, 0.4359



43.4043, 0.2316, 0.4703



43.4043, 0.1436, 0.1855



43.4043, 0.3745, 0.2298

Rectangle

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



43.4043, 0.5019, 0.4359



43.4043, 0.3618, 0.5370



43.4043, 0.1436, 0.1855



43.4043, 0.2326, 0.1797

Sweetspot

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



43.4066, 0.5019, 0.4359



79.7495, 0.3623, 0.3734



20.9992, 0.5253, 0.2701



16.4789, 0.3712, 0.3805



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.



43.4066, 0.5019, 0.4359



44.9365, 0.5109, 0.4325



81.6043, 0.4017, 0.5168



18.1669, 0.3278, 0.3434



22.4163, 0.5088, 0.4342



2.1695, 0.4945, 0.4455

Inverse Universe

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



16.8401, 0.1709, 0.1316



16.2005, 0.1666, 0.1197



7.4061, 0.1562, 0.0657



16.9850, 0.2980, 0.3141



8.2497, 0.1675, 0.1231



0.9186, 0.1744, 0.1479

Previews

White Background



This preview shows how the Yxy color 43.4043, 0.5019, 0.4359 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 43.4043, 0.5019, 0.4359 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 43.4043, 0.5019, 0.4359

Background



This preview shows how black text looks on a background with the Yxy color 43.4043, 0.5019, 0.4359.



This preview shows how white text looks on a background with the Yxy color 43.4043, 0.5019, 0.4359.

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

43.4043, 0.5019, 0.4359

Protanopia

43.6483, 0.4370, 0.4837

Deuteranopia

43.3254, 0.4727, 0.4628



Tritanopia

43.3465, 0.4123, 0.3176

Trichromacy



Original Color

43.4043, 0.5019, 0.4359

Protanomaly

43.0254, 0.4615, 0.4658

Deuteranomaly

43.1943, 0.4834, 0.4531

Tritanomaly

42.8388, 0.4608, 0.3744

Monochromacy



Original Color

43.4043, 0.5019, 0.4359

Achromatopsia

38.6429, 0.3127, 0.3290

Achromatomaly

39.1000, 0.3929, 0.3961

CSS Examples

Text

The CSS property to change the color of the text to Yxy 43.4043, 0.5019, 0.4359 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(246, 156, 15)` looks like.

```
.text, #text, p{  
    color:rgb(246, 156, 15)  
}
```

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(246, 156, 15) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(246, 156, 15) }
```

Border

The CSS property to change the border of an element to Yxy 43.4043, 0.5019, 0.4359 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(246, 156, 15) }
```

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

```
.border{ border-color:rgb(246, 156, 15) }
```

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

Here you see how a box with a 4 pixel `rgb(246, 156, 15)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(246, 156, 15); -webkit-box-  
shadow:4px 4px 4px 4px rgb(246, 156, 15);  
box-shadow:4px 4px 4px 4px rgb(246, 156,  
15) }
```


Background

The CSS property to change the background color of an element to Yxy 43.4043, 0.5019, 0.4359 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(246, 156, 15) }
```

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

```
.background{ background-color: rgb(246,  
156, 15) }
```

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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