

Converting Colors

Yxy(36.4800, 0.5419, 0.4042)

Have a look what the booklet for
Yxy(36.4800, 0.5419, 0.4042)
contains.

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Color

Yxy(36.4704, 0.5419, 0.4041)

Conversions

Conversions Part 1

Format	Color
Hex	FF7F0E
RGB	255, 127, 14
RGB Percent	100%, 50%, 5%
CMY	0.0000, 0.5019, 0.9455
CMYK	0.00, 0.50, 0.95, 0.00
HSL	28°, 100%, 53%
HSV	28°, 95%, 100%
XYZ	48.9070, 36.4704, 4.8736
YIQ	152.3900, 112.5610, -8.0070

Conversions

Conversions Part 2

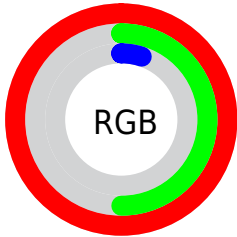
Format	Color
RYB	255, 227, 14
Decimal	16744206
CIELab	66.88, 43.43, 71.88
CIELCh	67, 83.984, 58.859
Yxy	36.4704, 0.5419, 0.4041
Android (android.graphics.Color)	4294934286 (0xFFFF7F0E)
YUV	152.3900, -68.2263, 89.9890
Hunter-Lab	60.3907, 38.8731, 37.4888

Details

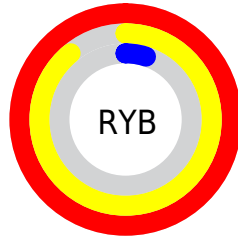
The Yxy color **36.4704, 0.5419, 0.4041** is a dark color, and the websafe version is hex **FF6600**. The color can be described as dark saturated orange. A complement of this color would be **26.6243, 0.1825, 0.1743**, and the grayscale version is **31.8387, 0.3127, 0.3290**.

A 20% lighter version of the original color is **54.8578, 0.4596, 0.4263**, and **16.1085, 0.5721, 0.3840** is the 20% darker color. If you saturate the color by 10%, you get **34.6036, 0.5528, 0.3993**, and if you desaturate by 10%, it is **40.3251, 0.5188, 0.4096**.

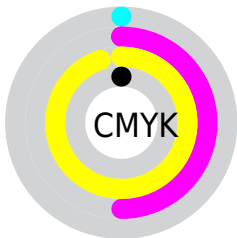
Distribution



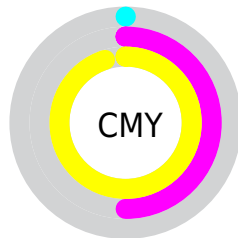
- Red (100%)
- Green (50%)
- Blue (5%)



- Red (100%)
- Yellow (89%)
- Blue (5%)



- Cyan (0%)
- Magenta (50%)
- Yellow (95%)
- Black (0%)





- Cyan (0%)
- Magenta (50%)
- Yellow (95%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 36.4704, 0.5419, 0.4041 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 36.4704, 0.5419, 0.4041 by changing the saturation by 10% instead.


 36.4704, 0.5419,
0.4041


 36.4704, 0.5419,
0.4041


331.0119, 0.4329,
0.3843

 24.7977, 0.5636,
0.4021


 69.7575, 0.5058,
0.4021


 15.9264, 0.5882,
0.3962


 92.1407, 0.4911,
0.3998

 9.4721, 0.6160,
0.3840


 118.8629, 0.4781,
0.3971

 5.0504, 0.6416,
0.3584

 150.3084, 0.4668,
0.3944

 2.2768, 0.6794,
0.3206

 186.8617, 0.4568,
0.3917

 0.7614, 0.7411,
0.2589

 228.9071, 0.4479,


 0.0000, 1.0000,


0.3891


0.0000


 276.8290, 0.4400,
0.3866


 0.0000, 0.0000,
0.0000

 36.4704, 0.5419,
0.4041


 36.4704, 0.5419,
0.4041

 34.6036, 0.5528,
0.3993

 40.3251, 0.5188,
0.4096

 44.7788, 0.4917,
0.4096

 49.8697, 0.4626,
0.4045

 55.6296, 0.4335,
0.3957

 62.0872, 0.4057,
0.3845

69.2695, 0.3803,
0.3719

77.2012, 0.3575,
0.3591

85.9060, 0.3374,
0.3464

95.4062, 0.3199,
0.3343

Harmonies

Analogous

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



36.4704, 0.5435, 0.3261



36.4704, 0.5419, 0.4041



36.4704, 0.4724, 0.4901

Triad

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



36.4704, 0.5419, 0.4041



36.4704, 0.1718, 0.4038



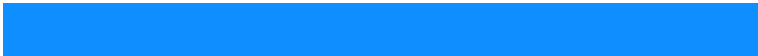
36.4704, 0.2152, 0.1640

Complementary

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



36.4704, 0.5419, 0.4041



26.6243, 0.1825, 0.1743

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.



36.4704, 0.1489, 0.1589



36.4704, 0.5419, 0.4041



36.4704, 0.1259, 0.2646

Square

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



36.4704, 0.5419, 0.4041



36.4704, 0.2616, 0.5401



36.4704, 0.1206, 0.1872



36.4704, 0.3255, 0.1976

Rectangle

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



36.4704, 0.5419, 0.4041



36.4704, 0.4064, 0.5420



36.4704, 0.1206, 0.1872



36.4704, 0.1883, 0.1590

Sweetspot

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



36.4724, 0.5419, 0.4041



74.3800, 0.3650, 0.3635



23.5382, 0.4739, 0.2408



15.1921, 0.3749, 0.3691



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.



36.4724, 0.5419, 0.4041



34.6051, 0.5528, 0.3993



87.7868, 0.4242, 0.4994



19.3922, 0.3282, 0.3402



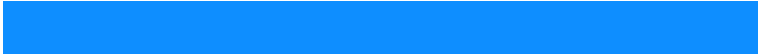
18.3749, 0.5501, 0.4014



2.0055, 0.5314, 0.4163

Inverse Universe

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



26.6243, 0.1825, 0.1743



24.6502, 0.1792, 0.1650



7.8838, 0.1523, 0.0649



18.9743, 0.2979, 0.3176



13.1821, 0.1800, 0.1678



1.5023, 0.1854, 0.1875

Previews

White Background



This preview shows how the Yxy color 36.4704, 0.5419, 0.4041 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 36.4704, 0.5419, 0.4041 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 36.4704, 0.5419, 0.4041

Background



This preview shows how black text looks on a background with the Yxy color 36.4704, 0.5419, 0.4041.



This preview shows how white text looks on a background with the Yxy color 36.4704, 0.5419, 0.4041.

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

36.4704, 0.5419, 0.4041

Protanopia

36.8204, 0.4348, 0.4816

Deuteranopia

36.5645, 0.4715, 0.4638



Tritanopia

36.4933, 0.4592, 0.3224

Trichromacy



Original Color

36.4704, 0.5419, 0.4041

Protanomaly

35.8928, 0.4761, 0.4522

Deuteranomaly

36.1090, 0.4989, 0.4406

Tritanomaly

36.1140, 0.5029, 0.3629

Monochromacy



Original Color

36.4704, 0.5419, 0.4041

Achromatopsia

31.3989, 0.3127, 0.3290

Achromatomaly

31.4230, 0.4074, 0.3855

CSS Examples

Text

The CSS property to change the color of the text to Yxy 36.4704, 0.5419, 0.4041 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(255, 127, 14)` looks like.

```
.text, #text, p{  
    color:rgb(255, 127, 14)  
}
```

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(255, 127, 14) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 127, 14) }
```

Border

The CSS property to change the border of an element to Yxy 36.4704, 0.5419, 0.4041 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(255, 127, 14) }
```

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

```
.border{ border-color:rgb(255, 127, 14) }
```

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

Here you see how a box with a 4 pixel rgb(255, 127, 14) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 127, 14); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 127, 14);  
box-shadow:4px 4px 4px 4px rgb(255, 127,  
14) }
```


Background

The CSS property to change the background color of an element to Yxy 36.4704, 0.5419, 0.4041 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 127, 14) }
```

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

```
.background{ background-color: rgb(255,  
127, 14) }
```

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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