

Converting Colors

$Y_{xy}(36.2194, 0.5394, 0.3997)$

Have a look what the booklet for
Yxy(36.2194, 0.5394, 0.3997)
contains.

Yxy(36.2655, 0.5393, 0.3999)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(36.2655, 0.5393, 0.3999)

Conversions

Conversions Part 1

Format	Color
Hex	FF7E1C
RGB	255, 126, 28
RGB Percent	100%, 49%, 11%
CMY	0.0000, 0.5058, 0.8906
CMYK	0.00, 0.51, 0.89, 0.00
HSL	26°, 100%, 55%
HSV	26°, 89%, 100%
XYZ	48.9072, 36.2655, 5.5137
YIQ	153.3990, 108.3420, -3.1300

Conversions

Conversions Part 2

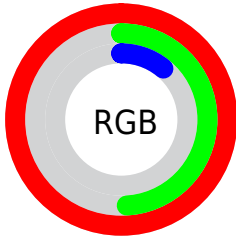
Format	Color
R _Y B	255, 200, 28
Decimal	16743964
CIE Lab	66.72, 44.10, 68.63
CIE LCh	67, 81.581, 57.275
Yxy	36.2655, 0.5393, 0.3999
Android (android.graphics.Color)	4294934044 (0xFFFF7E1C)
YUV	153.3990, -61.8217, 89.1041
Hunter-Lab	60.2208, 39.5788, 36.7261

Details

The Yxy color **36.2655, 0.5393, 0.3999** is a dark color, and the websafe version is hex **FF6600**. The color can be described as dark washed orange. A complement of this color would be **31.5333, 0.1896, 0.1957**, and the grayscale version is **32.2750, 0.3127, 0.3290**.

A 20% lighter version of the original color is **54.9636, 0.4554, 0.4214**, and **15.9739, 0.5736, 0.3828** is the 20% darker color. If you saturate the color by 10%, you get **32.7495, 0.5617, 0.3915**, and if you desaturate by 10%, it is **40.4209, 0.5120, 0.4031**.

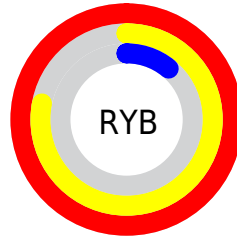
Distribution



Red (100%)

Green (49%)

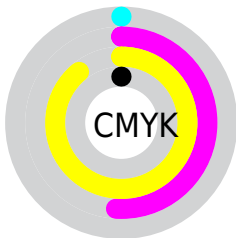
Blue (11%)



Red (100%)

Yellow (78%)

Blue (11%)

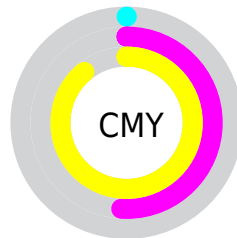


Cyan (0%)

Magenta (51%)

Yellow (89%)

Black (0%)



Cyan (0%)


Magenta (51%)


Yellow (89%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 36.2655, 0.5393, 0.3999 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 36.2655, 0.5393, 0.3999 by changing the saturation by 10% instead.


 36.2655, 0.5393,
0.3999

 36.2655, 0.5393,
0.3999


330.1195, 0.4302,
0.3808

 24.6393, 0.5617,
0.3981

 69.4417, 0.5027,
0.3978


 15.8085, 0.5869,
0.3924


 91.7604, 0.4879,
0.3955

 9.3888, 0.6181,
0.3819


 118.4122, 0.4750,
0.3930

 4.9956, 0.6441,
0.3559

 149.7813, 0.4637,
0.3904

 2.2447, 0.6825,
0.3175

 186.2522, 0.4538,
0.3879

 0.7442, 0.7454,
0.2546

 228.2093, 0.4450,

 0.0000, 1.0000,

0.3854

0.0000

276.0369, 0.4372,
0.3831

■ 0.0000, 0.0000,
0.0000

■ 36.2655, 0.5393,
0.3999

■ 36.2655, 0.5393,
0.3999

■ 32.7495, 0.5617,
0.3915

■ 40.4209, 0.5120,
0.4031

■ 32.4483, 0.5637,
0.3906

■ 45.2570, 0.4817,
0.4010

■ 50.8133, 0.4506,
0.3945

■ 57.1239, 0.4206,
0.3851

■ 64.2199, 0.3930,
0.3740

72.1305, 0.3682,
0.3621

80.8831, 0.3464,
0.3503

90.5036, 0.3276,
0.3388

99.9983, 0.3127,
0.3290

Harmonies

Analogous

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



36.2655, 0.5354, 0.3232



36.2655, 0.5393, 0.3999



36.2655, 0.4749, 0.4837

Triad

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



36.2655, 0.5393, 0.3999



36.2655, 0.1789, 0.4100



36.2655, 0.2130, 0.1661

Complementary

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



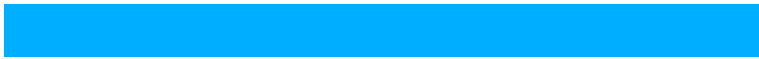
36.2655, 0.5393, 0.3999



31.5333, 0.1896, 0.1957

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.



36.2655, 0.1497, 0.1628



36.2655, 0.5393, 0.3999



36.2655, 0.1309, 0.2725

Square

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



36.2655, 0.5393, 0.3999



36.2655, 0.2692, 0.5378



36.2655, 0.1235, 0.1931



36.2655, 0.3188, 0.1978

Rectangle

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



36.2655, 0.5393, 0.3999



36.2655, 0.4113, 0.5344



36.2655, 0.1235, 0.1931



36.2655, 0.1872, 0.1617

Sweetspot

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



36.2675, 0.5393, 0.3999



73.8714, 0.3635, 0.3597



24.6346, 0.4434, 0.2274



15.2007, 0.3714, 0.3638



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.



36.2675, 0.5393, 0.3999



32.4508, 0.5637, 0.3906



81.3707, 0.4308, 0.4906



19.2779, 0.3283, 0.3393



17.2396, 0.5609, 0.3928



1.8907, 0.5410, 0.4087

Inverse Universe

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



31.5333, 0.1896, 0.1957



27.4157, 0.1828, 0.1780



9.4831, 0.1570, 0.0762



19.0901, 0.2979, 0.3185



14.6279, 0.1835, 0.1807



1.6415, 0.1886, 0.1991

Previews

White Background



This preview shows how the Yxy color 36.2655, 0.5393, 0.3999 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 36.2655, 0.5393, 0.3999 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 36.2655, 0.5393, 0.3999

Background



This preview shows how black text looks on a background with the Yxy color 36.2655, 0.5393, 0.3999.



This preview shows how white text looks on a background with the Yxy color 36.2655, 0.5393, 0.3999.

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

36.2655, 0.5393, 0.3999

Protanopia

36.4016, 0.4311, 0.4758

Deuteranopia

36.2330, 0.4727, 0.4628



Tritanopia

36.2515, 0.4597, 0.3214

Trichromacy



Original Color

36.2655, 0.5393, 0.3999

Protanomaly

35.4835, 0.4724, 0.4471

Deuteranomaly

35.8157, 0.4994, 0.4387

Tritanomaly

35.9518, 0.4988, 0.3577

Monochromacy



Original Color

36.2655, 0.5393, 0.3999

Achromatopsia

31.8547, 0.3127, 0.3290

Achromatomaly

31.6748, 0.4021, 0.3773

CSS Examples

Text

The CSS property to change the color of the text to Yxy 36.2655, 0.5393, 0.3999 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, 126, 28)` looks like.

```
.text, #text, p{  
    color:rgb(255, 126, 28)  
}
```

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, 126, 28) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 126, 28) }
```

Border

The CSS property to change the border of an element to Yxy 36.2655, 0.5393, 0.3999 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, 126, 28) }
```

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

```
.border{ border-color:rgb(255, 126, 28) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 126, 28)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 126, 28); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 126, 28);  
box-shadow:4px 4px 4px 4px rgb(255, 126,  
28) }
```


Background

The CSS property to change the background color of an element to Yxy 36.2655, 0.5393, 0.3999 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 126, 28) }
```

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

```
.background{ background-color: rgb(255,  
126, 28) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor