

Converting Colors

$Y_{xy}(36.1805, 0.5442, 0.4040)$

Have a look what the booklet for
Yxy(36.1805, 0.5442, 0.4040)
contains.

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Color

Yxy(36.1992, 0.5441, 0.4040)

Conversions

Conversions Part 1

Format	Color
Hex	FF7E08
RGB	255, 126, 8
RGB Percent	100%, 49%, 3%
CMY	0.0000, 0.5059, 0.9682
CMYK	0.00, 0.51, 0.97, 0.00
HSL	29°, 100%, 52%
HSV	29°, 97%, 100%
XYZ	48.7524, 36.1992, 4.6503
YIQ	151.1190, 114.7620, -9.3500

Conversions

Conversions Part 2

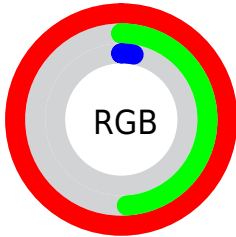
Format	Color
R _Y B	255, 234, 8
Decimal	16743944
CIE Lab	66.67, 43.90, 72.63
CIE LCh	67, 84.864, 58.850
Yxy	36.1992, 0.5441, 0.4040
Android (android.graphics.Color)	4294934024 (0xFFFF7E08)
YUV	151.1190, -70.5577, 91.1036
Hunter-Lab	60.1658, 39.3488, 37.5334

Details

The Yxy color **36.1992, 0.5441, 0.4040** 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 **25.1997, 0.1803, 0.1676**, and the grayscale version is **31.2743, 0.3127, 0.3290**.

A 20% lighter version of the original color is **54.4105, 0.4621, 0.4274**, and **15.8447, 0.5729, 0.3833** is the 20% darker color. If you saturate the color by 10%, you get **35.1171, 0.5503, 0.4012**, and if you desaturate by 10%, it is **39.9292, 0.5224, 0.4106**.

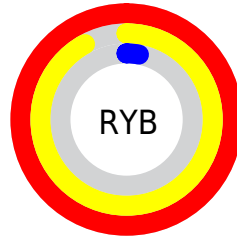
Distribution



Red (100%)

Green (49%)

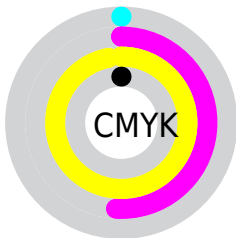
Blue (3%)



Red (100%)

Yellow (92%)

Blue (3%)

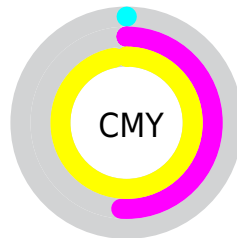


Cyan (0%)

Magenta (51%)

Yellow (97%)

Black (0%)



Cyan (0%)


Magenta (51%)


Yellow (97%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 36.1992, 0.5441, 0.4040 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 36.1992, 0.5441, 0.4040 by changing the saturation by 10% instead.

 36.1992, 0.5441,
0.4040


 36.1992, 0.5441,
0.4040


329.8304, 0.4343,
0.3847

 24.5881, 0.5658,
0.4017


 69.3394, 0.5078,
0.4023


 15.7704, 0.5907,
0.3956


 91.6373, 0.4930,
0.4001

 9.3619, 0.6176,
0.3824


 118.2662, 0.4800,
0.3975

 4.9779, 0.6437,
0.3563

 149.6106, 0.4685,
0.3948

 2.2343, 0.6820,
0.3180

 186.0548, 0.4584,
0.3922


 0.7386, 0.7452,
0.2548

 227.9832, 0.4494,


 0.0000, 1.0000,


0.3896


0.0000


 275.7803, 0.4414,
0.3871


 0.0000, 0.0000,
0.0000


 36.1992, 0.5441,
0.4040

 36.1992, 0.5441,
0.4040


 35.1171, 0.5503,
0.4012

 39.9292, 0.5224,
0.4106

 44.2411, 0.4965,
0.4116

 49.1688, 0.4681,
0.4074

 54.7443, 0.4392,
0.3991

 60.9960, 0.4113,
0.3881

67.9505, 0.3855,
0.3756

75.6324, 0.3622,
0.3625

84.0650, 0.3416,
0.3496

93.2701, 0.3236,
0.3371

Harmonies

Analogous

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



36.1992, 0.5462, 0.3255



36.1992, 0.5441, 0.4040



36.1992, 0.4735, 0.4911

Triad

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



36.1992, 0.5441, 0.4040



36.1992, 0.1701, 0.4048



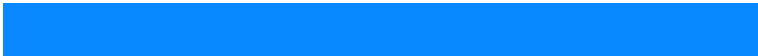
36.1992, 0.2141, 0.1625

Complementary

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



36.1992, 0.5441, 0.4040



25.1997, 0.1803, 0.1676

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.



36.1992, 0.1474, 0.1573



36.1992, 0.5441, 0.4040



36.1992, 0.1242, 0.2636

Square

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



36.1992, 0.5441, 0.4040



36.1992, 0.2606, 0.5433



36.1992, 0.1190, 0.1857



36.1992, 0.3255, 0.1963

Rectangle

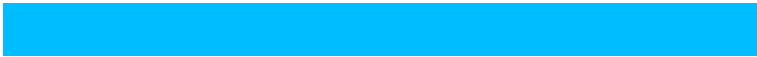
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



36.1992, 0.5441, 0.4040



36.1992, 0.4067, 0.5440



36.1992, 0.1190, 0.1857



36.1992, 0.1870, 0.1575

Sweetspot

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



36.1963, 0.5441, 0.4040



73.8930, 0.3671, 0.3654



23.3233, 0.4788, 0.2425



15.1102, 0.3769, 0.3710



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.



36.1963, 0.5441, 0.4040



35.1171, 0.5503, 0.4012



87.6590, 0.4247, 0.4999



19.4178, 0.3282, 0.3404



18.6442, 0.5477, 0.4033



2.0324, 0.5292, 0.4180

Inverse Universe

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



25.1997, 0.1803, 0.1676



24.0643, 0.1784, 0.1622



7.6532, 0.1514, 0.0632



18.9485, 0.2979, 0.3174



12.8753, 0.1792, 0.1650



1.4725, 0.1847, 0.1849

Previews

White Background



This preview shows how the Yxy color 36.1992, 0.5441, 0.4040 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 36.1992, 0.5441, 0.4040 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 36.1992, 0.5441, 0.4040

Background



This preview shows how black text looks on a background with the Yxy color 36.1992, 0.5441, 0.4040.



This preview shows how white text looks on a background with the Yxy color 36.1992, 0.5441, 0.4040.

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

36.1992, 0.5441, 0.4040

Protanopia

36.3276, 0.4357, 0.4827

Deuteranopia

36.0903, 0.4718, 0.4636



Tritanopia

36.2252, 0.4609, 0.3224

Trichromacy



Original Color

36.1992, 0.5441, 0.4040

Protanomaly

35.4117, 0.4773, 0.4531

Deuteranomaly

35.6411, 0.4997, 0.4406

Tritanomaly

35.8192, 0.5066, 0.3644

Monochromacy



Original Color

36.1992, 0.5441, 0.4040

Achromatopsia

30.9469, 0.3127, 0.3290

Achromatomaly

31.0657, 0.4112, 0.3881

CSS Examples

Text

The CSS property to change the color of the text to Yxy 36.1992, 0.5441, 0.4040 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, 8)` looks like.

```
.text, #text, p{  
    color:rgb(255, 126, 8)  
}
```

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, 8) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 126, 8) }
```

Border

The CSS property to change the border of an element to Yxy 36.1992, 0.5441, 0.4040 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, 8) }
```

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

```
.border{ border-color:rgb(255, 126, 8) }
```

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, 8)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 126, 8); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 126, 8);  
box-shadow:4px 4px 4px 4px rgb(255, 126,  
8) }
```


Background

The CSS property to change the background color of an element to Yxy 36.1992, 0.5441, 0.4040 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, 8) }
```

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

```
.background{ background-color: rgb(255,  
126, 8) }
```

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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