

Converting Colors

$Y_{xy}(30.5736, 0.5725, 0.3836)$

Have a look what the booklet for
Yxy(30.5736, 0.5725, 0.3836)
contains.

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Color

Yxy(30.5736, 0.5725, 0.3836)

Conversions

Conversions Part 1

Format	Color
Hex	FE6600
RGB	254, 102, 0
RGB Percent	100%, 40%, 0%
CMY	0.0039, 0.6000, 0.9996
CMYK	0.00, 0.60, 1.00, 0.00
HSL	24°, 100%, 50%
HSV	24°, 100%, 100%
XYZ	45.6293, 30.5736, 3.4989
YIQ	135.8200, 123.3340, 0.5020

Conversions

Conversions Part 2

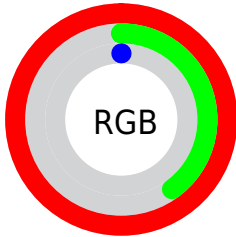
Format	Color
RYB	254, 170, 0
Decimal	16672256
CIELab	62.15, 54.67, 71.15
CIELCh	62, 89.728, 52.462
Yxy	30.5736, 0.5725, 0.3836
Android (android.graphics.Color)	4294862336 (0xFFFE6600)
YUV	135.8200, -66.9593, 103.6439
Hunter-Lab	55.2934, 50.5385, 34.9536

Details

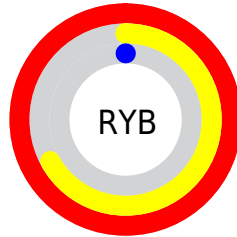
The Yxy color **30.5736, 0.5725, 0.3836** is a dark color, and the websafe version is hex **FF6600**. The color can be described as dark saturated orange. A complement of this color would be **29.6519, 0.1859, 0.1892**, and the grayscale version is **24.7744, 0.3127, 0.3290**.

A 20% lighter version of the original color is **45.7913, 0.4870, 0.4104**, and **12.6956, 0.6105, 0.3535** is the 20% darker color. If you saturate the color by 10%, you get **30.5640, 0.5726, 0.3836**, and if you desaturate by 10%, it is **33.9156, 0.5494, 0.3928**.

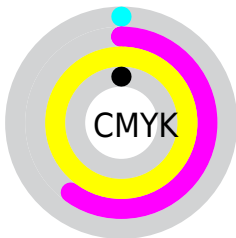
Distribution



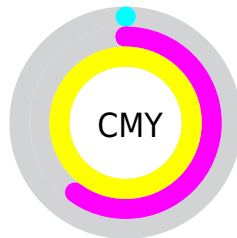
- Red (100%)
- Green (40%)
- Blue (0%)



- Red (100%)
- Yellow (67%)
- Blue (0%)



- Cyan (0%)
- Magenta (60%)
- Yellow (100%)
- Black (0%)




- Cyan (0%)
- Magenta (60%)
- Yellow (100%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 30.5736, 0.5725, 0.3836 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 30.5736, 0.5725, 0.3836 by changing the saturation by 10% instead.


 30.5736, 0.5725,
0.3836


 30.5736, 0.5725,
0.3836

304.5691, 0.4461,
0.3774

 20.2744, 0.5979,
0.3769


 60.5681, 0.5304,
0.3875


 12.5946, 0.6301,
0.3668


 81.0322, 0.5132,
0.3871


 7.1500, 0.6572,
0.3428


 105.6534, 0.4982,
0.3860

 3.5561, 0.6922,
0.3078

 134.8160, 0.4851,
0.3845

 1.4285, 0.7437,
0.2563

 168.9045, 0.4735,
0.3828

 0.2376, 0.8825,
0.1175

 208.3032, 0.4633,

 0.0000, 1.0000,

0.3810

0.0000


 253.3966, 0.4542,
0.3791


 0.0000, 0.0000,
0.0000

 30.5736, 0.5725,
0.3836


 30.5736, 0.5725,
0.3836

 30.5640, 0.5726,
0.3836

 33.9156, 0.5494,
0.3928

 37.9255, 0.5211,
0.3970

 42.6596, 0.4894,
0.3960

 48.1594, 0.4568,
0.3906

 54.4625, 0.4255,
0.3821

61.6037, 0.3966,
0.3719

69.6151, 0.3710,
0.3608

78.5270, 0.3486,
0.3498

88.3682, 0.3292,
0.3391

Harmonies

Analogous

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



30.5736, 0.5590, 0.3039



30.5736, 0.5725, 0.3836



30.5736, 0.5026, 0.4770

Triad

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



30.5736, 0.5725, 0.3836



30.5736, 0.1717, 0.4532



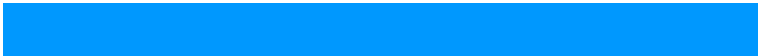
30.5736, 0.1853, 0.1457

Complementary

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



30.5736, 0.5725, 0.3836



29.6519, 0.1859, 0.1892

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.



30.5736, 0.1250, 0.1463



30.5736, 0.5725, 0.3836



30.5736, 0.1145, 0.2812

Square

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



30.5736, 0.5725, 0.3836



30.5736, 0.2752, 0.5900



30.5736, 0.1026, 0.1837



30.5736, 0.2956, 0.1750

Rectangle

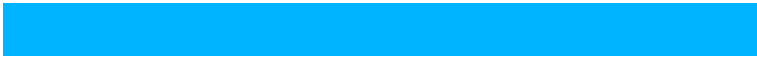
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



30.5736, 0.5725, 0.3836



30.5736, 0.4319, 0.5428



30.5736, 0.1026, 0.1837



30.5736, 0.1602, 0.1425

Sweetspot

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



30.5754, 0.5725, 0.3836



70.1933, 0.3711, 0.3609



23.3575, 0.4572, 0.2292



14.2718, 0.3815, 0.3656



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.



30.5754, 0.5725, 0.3836



30.8280, 0.5726, 0.3835



76.9044, 0.4384, 0.4901



19.1834, 0.3284, 0.3386



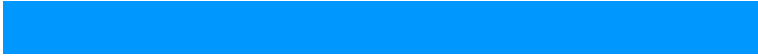
16.3815, 0.5697, 0.3859



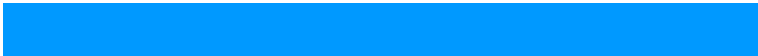
1.8021, 0.5489, 0.4024

Inverse Universe

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



29.6519, 0.1859, 0.1892



29.8941, 0.1859, 0.1891



7.8736, 0.1515, 0.0654



19.1867, 0.2979, 0.3192



15.9207, 0.1866, 0.1915



1.7643, 0.1913, 0.2088

Previews

White Background



This preview shows how the Yxy color 30.5736, 0.5725, 0.3836 looks on a white background.

Color Contrast Check

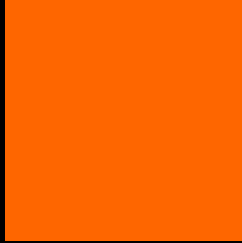
Large Text (above 18pt) WCAG AA × Fail

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 30.5736, 0.5725, 0.3836 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 30.5736, 0.5725, 0.3836

Background



This preview shows how black text looks on a background with the Yxy color 30.5736, 0.5725, 0.3836.



This preview shows how white text looks on a background with the Yxy color 30.5736, 0.5725, 0.3836.

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

30.5736, 0.5725, 0.3836

Protanopia

30.7495, 0.4350, 0.4808

Deuteranopia

30.5921, 0.4712, 0.4641



Tritanopia

30.5851, 0.5068, 0.3241

Trichromacy



Original Color

30.5736, 0.5725, 0.3836

Protanomaly

29.2300, 0.4919, 0.4414

Deuteranomaly

29.5845, 0.5125, 0.4313

Tritanomaly

30.3770, 0.5455, 0.3559

Monochromacy



Original Color

30.5736, 0.5725, 0.3836

Achromatopsia

24.6201, 0.3127, 0.3290

Achromatomaly

24.6871, 0.4264, 0.3825

CSS Examples

Text

The CSS property to change the color of the text to Yxy 30.5736, 0.5725, 0.3836 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(254, 102, 0)` looks like.

```
.text, #text, p{  
    color:rgb(254, 102, 0)  
}
```

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(254, 102, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(254, 102, 0) }
```

Border

The CSS property to change the border of an element to Yxy 30.5736, 0.5725, 0.3836 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(254, 102, 0) }
```

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

```
.border{ border-color:rgb(254, 102, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(254, 102, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(254, 102, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(254, 102, 0);  
box-shadow:4px 4px 4px 4px rgb(254, 102,  
0) }
```


Background

The CSS property to change the background color of an element to Yxy 30.5736, 0.5725, 0.3836 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(254, 102, 0) }
```

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

```
.background{ background-color: rgb(254,  
102, 0) }
```

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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