

Converting Colors

$Y_{xy}(30.4131, 0.5726, 0.3797)$

Have a look what the booklet for
Yxy(30.4131, 0.5726, 0.3797)
contains.

Yxy(30.4034, 0.5726, 0.3795)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(30.4034, 0.5726, 0.3795)

Conversions

Conversions Part 1

Format	Color
Hex	FF640D
RGB	255, 100, 13
RGB Percent	100%, 39%, 5%
CMY	0.0000, 0.6079, 0.9483
CMYK	0.00, 0.61, 0.95, 0.00
HSL	22°, 100%, 53%
HSV	22°, 95%, 100%
XYZ	45.8735, 30.4034, 3.8375
YIQ	136.4270, 120.3070, 5.8030

Conversions

Conversions Part 2

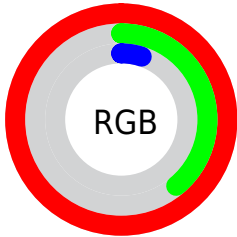
Format	Color
R _Y B	255, 149, 13
Decimal	16737293
CIE Lab	62.00, 55.99, 68.91
CIE LCh	62, 88.792, 50.905
Yxy	30.4034, 0.5726, 0.3795
Android (android.graphics.Color)	4294927373 (0xFFFF640D)
YUV	136.4270, -60.8495, 103.9885
Hunter-Lab	55.1393, 52.0105, 34.4711

Details

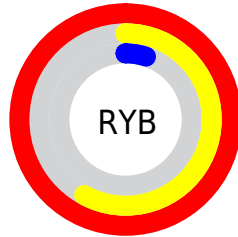
The Yxy color **30.4034, 0.5726, 0.3795** is a dark color, and the websafe version is hex **FF6600**. The color can be described as dark saturated orange. A complement of this color would be **35.3810, 0.1927, 0.2114**, and the grayscale version is **24.9955, 0.3127, 0.3290**.

A 20% lighter version of the original color is **45.5180, 0.4848, 0.4061**, and **12.6031, 0.6140, 0.3507** is the 20% darker color. If you saturate the color by 10%, you get **28.8360, 0.5843, 0.3742**, and if you desaturate by 10%, it is **33.9744, 0.5455, 0.3870**.

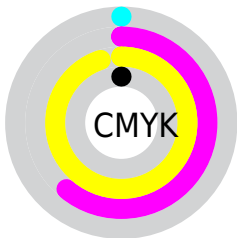
Distribution



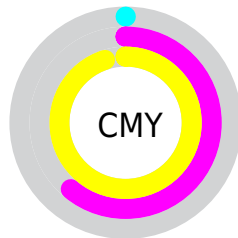
- Red (100%)
- Green (39%)
- Blue (5%)



- Red (100%)
- Yellow (58%)
- Blue (5%)



- Cyan (0%)
- Magenta (61%)
- Yellow (95%)
- Black (0%)





- Cyan (0%)
- Magenta (61%)
- Yellow (95%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 30.4034, 0.5726, 0.3795 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 30.4034, 0.5726, 0.3795 by changing the saturation by 10% instead.


 30.4034, 0.5726,
0.3795


 30.4034, 0.5726,
0.3795


303.7803, 0.4450,
0.3745


 20.1450, 0.5987,
0.3728


 60.2995, 0.5297,
0.3836


 12.5005, 0.6309,
0.3620


 80.7061, 0.5123,
0.3834

 7.0855, 0.6610,
0.3390


 105.2641, 0.4972,
0.3824

 3.5156, 0.6966,
0.3034

 134.3580, 0.4840,
0.3810

 1.4065, 0.7489,
0.2511

 168.3721, 0.4724,
0.3795

 0.2215, 0.8911,
0.1089

 207.6910, 0.4622,


 0.0000, 1.0000,


0.3778

0.0000

 252.6989, 0.4531,
0.3761


 0.0000, 0.0000,
0.0000


 30.4034, 0.5726,
0.3795

 30.4034, 0.5726,
0.3795


 28.8360, 0.5843,
0.3742

 33.9744, 0.5455,
0.3870

 38.3221, 0.5131,
0.3893

 43.4983, 0.4785,
0.3867

 49.5492, 0.4444,
0.3805

 56.5167, 0.4128,
0.3721

64.4399, 0.3844,
0.3624

73.3551, 0.3597,
0.3525

83.2970, 0.3385,
0.3426

94.2980, 0.3204,
0.3333

Harmonies

Analogous

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



30.4034, 0.5534, 0.3005



30.4034, 0.5726, 0.3795



30.4034, 0.5068, 0.4716

Triad

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



30.4034, 0.5726, 0.3795



30.4034, 0.1772, 0.4616



30.4034, 0.1819, 0.1461

Complementary

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



30.4034, 0.5726, 0.3795



35.3810, 0.1927, 0.2114

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.



30.4034, 0.1240, 0.1483



30.4034, 0.5726, 0.3795



30.4034, 0.1174, 0.2890

Square

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



30.4034, 0.5726, 0.3795



30.4034, 0.2819, 0.5903



30.4034, 0.1035, 0.1881



30.4034, 0.2889, 0.1737

Rectangle

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



30.4034, 0.5726, 0.3795



30.4034, 0.4376, 0.5369



30.4034, 0.1035, 0.1881



30.4034, 0.1577, 0.1433

Sweetspot

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



30.4034, 0.5726, 0.3795



70.4194, 0.3672, 0.3556



24.4687, 0.4288, 0.2156



14.2523, 0.3779, 0.3599



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.



30.4034, 0.5726, 0.3795



28.8360, 0.5843, 0.3742



71.8105, 0.4464, 0.4815



19.0543, 0.3285, 0.3376



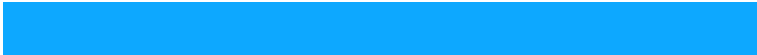
15.3234, 0.5814, 0.3766



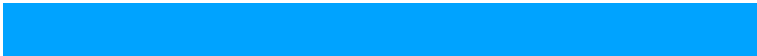
1.6899, 0.5597, 0.3938

Inverse Universe

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



35.3810, 0.1927, 0.2114



33.5756, 0.1901, 0.2044



9.5420, 0.1556, 0.0768



19.3200, 0.2980, 0.3203



17.8370, 0.1907, 0.2067



1.9438, 0.1951, 0.2222

Previews

White Background



This preview shows how the Yxy color 30.4034, 0.5726, 0.3795 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 30.4034, 0.5726, 0.3795 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 30.4034, 0.5726, 0.3795

Background



This preview shows how black text looks on a background with the Yxy color 30.4034, 0.5726, 0.3795.



This preview shows how white text looks on a background with the Yxy color 30.4034, 0.5726, 0.3795.

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

30.4034, 0.5726, 0.3795

Protanopia

30.6569, 0.4325, 0.4795

Deuteranopia

30.5921, 0.4712, 0.4641



Tritanopia

30.3840, 0.5087, 0.3242

Trichromacy



Original Color

30.4034, 0.5726, 0.3795

Protanomaly

28.8438, 0.4901, 0.4387

Deuteranomaly

29.4858, 0.5137, 0.4285

Tritanomaly

30.2391, 0.5427, 0.3523

Monochromacy



Original Color

30.4034, 0.5726, 0.3795

Achromatopsia

24.6201, 0.3127, 0.3290

Achromatomaly

24.5050, 0.4225, 0.3756

CSS Examples

Text

The CSS property to change the color of the text to Yxy 30.4034, 0.5726, 0.3795 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, 100, 13)` looks like.

```
.text, #text, p{  
  color:rgb(255, 100, 13)  
}
```

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, 100, 13) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 100, 13) }
```

Border

The CSS property to change the border of an element to Yxy 30.4034, 0.5726, 0.3795 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, 100, 13) }
```

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

```
.border{ border-color:rgb(255, 100, 13) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 100, 13)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 100, 13); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 100, 13);  
box-shadow:4px 4px 4px 4px rgb(255, 100,  
13) }
```


Background

The CSS property to change the background color of an element to $\text{Yxy } 30.4034, 0.5726, 0.3795$ is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 100, 13) }
```

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

```
.background{ background-color: rgb(255,  
100, 13) }
```

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