

Converting Colors

$Y_{xy}(30.5313, 0.5743, 0.3822)$

Have a look what the booklet for
Yxy(30.5313, 0.5743, 0.3822)
contains.

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Color

Yxy(30.5674, 0.5741, 0.3824)

Conversions

Conversions Part 1

Format	Color
Hex	FF6500
RGB	255, 101, 0
RGB Percent	100%, 40%, 0%
CMY	0.0000, 0.6038, 1.0000
CMYK	0.00, 0.60, 1.00, 0.00
HSL	24°, 100%, 50%
HSV	24°, 100%, 100%
XYZ	45.8911, 30.5674, 3.4772
YIQ	135.5320, 124.2050, 1.2370

Conversions

Conversions Part 2

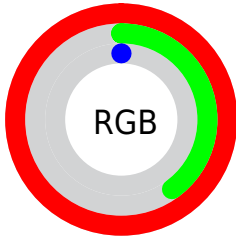
Format	Color
RYB	255, 167, 0
Decimal	16737536
CIELab	62.14, 55.44, 71.27
CIElCh	62, 90.296, 52.122
Yxy	30.5674, 0.5741, 0.3824
Android (android.graphics.Color)	4294927616 (0xFFFF6500)
YUV	135.5320, -66.8173, 104.7734
Hunter-Lab	55.2878, 51.4085, 34.9725

Details

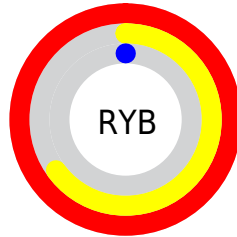
The Yxy color **30.5674, 0.5741, 0.3824** is a dark color, and the websafe version is hex **FF6600**. The color can be described as dark saturated orange. A complement of this color would be **30.3217, 0.1864, 0.1909**, and the grayscale version is **24.6590, 0.3127, 0.3290**.

A 20% lighter version of the original color is **45.4543, 0.4880, 0.4094**, and **12.7485, 0.6119, 0.3524** is the 20% darker color. If you saturate the color by 10%, you get **30.5695, 0.5741, 0.3824**, and if you desaturate by 10%, it is **33.9177, 0.5509, 0.3916**.

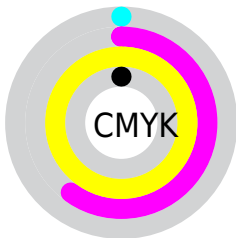
Distribution



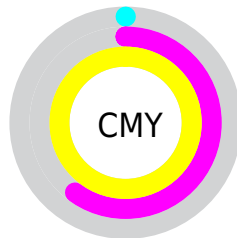
- Red (100%)
- Green (40%)
- Blue (0%)



- Red (100%)
- Yellow (65%)
- 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 30.5674, 0.5741, 0.3824 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 30.5674, 0.5741, 0.3824 by changing the saturation by 10% instead.


 30.5674, 0.5741,
0.3824


 30.5674, 0.5741,
0.3824


304.5404, 0.4470,
0.3770

 20.2697, 0.5996,
0.3755


 60.5583, 0.5317,
0.3866


 12.5912, 0.6321,
0.3651


 81.0203, 0.5145,
0.3864


 7.1477, 0.6592,
0.3408

 105.6392, 0.4994,
0.3853

 3.5546, 0.6944,
0.3056

 134.7993, 0.4862,
0.3839

 1.4277, 0.7462,
0.2538

 168.8851, 0.4745,
0.3822

 0.2370, 0.8845,
0.1155

 208.2809, 0.4643,

 0.0000, 1.0000,

0.3805


0.0000

 253.3712, 0.4551,
0.3787


 0.0000, 0.0000,
0.0000

 30.5674, 0.5741,
0.3824


 30.5674, 0.5741,
0.3824

 30.5695, 0.5741,
0.3824

 33.9177, 0.5509,
0.3916

 37.9494, 0.5224,
0.3960

 42.7202, 0.4904,
0.3951

 48.2731, 0.4576,
0.3898

 54.6466, 0.4260,
0.3815

61.8764, 0.3970,
0.3714

69.9955, 0.3712,
0.3605

79.0351, 0.3487,
0.3496

89.0248, 0.3293,
0.3390

Harmonies

Analogous

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



30.5674, 0.5596, 0.3027



30.5674, 0.5741, 0.3824



30.5674, 0.5042, 0.4761

Triad

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



30.5674, 0.5741, 0.3824



30.5674, 0.1718, 0.4562



30.5674, 0.1837, 0.1448

Complementary

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



30.5674, 0.5741, 0.3824



30.3217, 0.1864, 0.1909

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.



30.5674, 0.1237, 0.1457



30.5674, 0.5741, 0.3824



30.5674, 0.1139, 0.2823

Square

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



30.5674, 0.5741, 0.3824



30.5674, 0.2760, 0.5925



30.5674, 0.1017, 0.1836



30.5674, 0.2939, 0.1738

Rectangle

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



30.5674, 0.5741, 0.3824



30.5674, 0.4333, 0.5425



30.5674, 0.1017, 0.1836



30.5674, 0.1587, 0.1417

Sweetspot

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



30.5695, 0.5741, 0.3824



70.0006, 0.3712, 0.3605



23.7011, 0.4503, 0.2254



14.2266, 0.3817, 0.3651



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.



30.5695, 0.5741, 0.3824



30.5717, 0.5741, 0.3824



75.2402, 0.4419, 0.4873



19.1677, 0.3284, 0.3385



16.2456, 0.5711, 0.3847



1.7879, 0.5502, 0.4013

Inverse Universe

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



30.3217, 0.1864, 0.1909



30.3239, 0.1864, 0.1909



8.1354, 0.1519, 0.0668



19.2029, 0.2979, 0.3194



16.1446, 0.1871, 0.1934



1.7854, 0.1918, 0.2104

Previews

White Background



This preview shows how the Yxy color 30.5674, 0.5741, 0.3824 looks on a white background.

Color Contrast Check

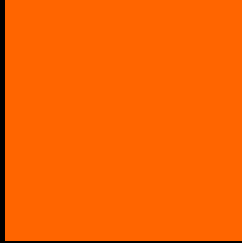
Large Text (above 18pt) WCAG AA × Fail

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 30.5674, 0.5741, 0.3824 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 30.5674, 0.5741, 0.3824

Background



This preview shows how black text looks on a background with the Yxy color 30.5674, 0.5741, 0.3824.



This preview shows how white text looks on a background with the Yxy color 30.5674, 0.5741, 0.3824.

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

30.5674, 0.5741, 0.3824

Protanopia

30.7495, 0.4350, 0.4808

Deuteranopia

30.5921, 0.4712, 0.4641



Tritanopia

30.5851, 0.5068, 0.3241

Trichromacy



Original Color

30.5674, 0.5741, 0.3824

Protanomaly

29.2300, 0.4919, 0.4414

Deuteranomaly

29.7345, 0.5134, 0.4306

Tritanomaly

30.3770, 0.5455, 0.3559

Monochromacy



Original Color

30.5674, 0.5741, 0.3824

Achromatopsia

24.6201, 0.3127, 0.3290

Achromatomaly

24.4377, 0.4272, 0.3811

CSS Examples

Text

The CSS property to change the color of the text to Yxy 30.5674, 0.5741, 0.3824 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, 101, 0)` looks like.

```
.text, #text, p{  
    color:rgb(255, 101, 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(255, 101, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 101, 0) }
```

Border

The CSS property to change the border of an element to Yxy 30.5674, 0.5741, 0.3824 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, 101, 0) }
```

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

```
.border{ border-color:rgb(255, 101, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 101, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 101, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 101, 0);  
box-shadow:4px 4px 4px 4px rgb(255, 101,  
0) }
```


Background

The CSS property to change the background color of an element to Yxy 30.5674, 0.5741, 0.3824 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 101, 0) }
```

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

```
.background{ background-color: rgb(255,  
101, 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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