

Converting Colors

$Y_{xy}(32.9484, 0.5837, 0.3948)$

Have a look what the booklet for
Yxy(32.9484, 0.5837, 0.3948)
contains.

Yxy(31.7754, 0.5674, 0.3877)	3
Conversions	4
Details	6
Harmonies	12
Previews	22
Color Blindness Simulation	25
CSS Examples	27

Color

Yxy(31.7754, 0.5674, 0.3877)

Conversions

Conversions Part 1

Format	Color
Hex	FF6B00
RGB	255, 107, 0
RGB Percent	100%, 42%, 0%
CMY	0.0000, 0.5804, 1.0000
CMYK	0.00, 0.58, 1.00, 0.00
HSL	25°, 100%, 50%
HSV	25°, 100%, 100%
XYZ	46.5034, 31.7754, 3.6799
YIQ	139.0540, 122.5550, -1.9010

Conversions

Conversions Part 2

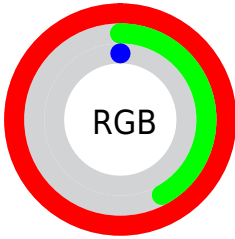
Format	Color
R _Y B	255, 184, 0
Decimal	16739072
CIE Lab	63.16, 52.80, 71.81
CIE LCh	63, 89.134, 53.677
Yxy	31.7754, 0.5674, 0.3877
Android (android.graphics.Color)	4294929152 (0xFFFF6B00)
YUV	139.0540, -68.5536, 101.6846
Hunter-Lab	56.3697, 48.6105, 35.5882

Details

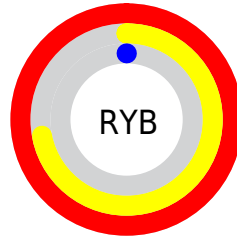
The Yxy color **31.7754, 0.5674, 0.3877** is a dark color, and the websafe version is hex **FF6600**. The color can be described as dark saturated orange. A complement of this color would be **28.4029, 0.1840, 0.1825**, and the grayscale version is **26.0718, 0.3127, 0.3290**.

A 20% lighter version of the original color is **47.5303, 0.4817, 0.4145**, and **13.4031, 0.6027, 0.3596** is the 20% darker color. If you saturate the color by 10%, you get **31.7734, 0.5674, 0.3877**, and if you desaturate by 10%, it is **35.2002, 0.5448, 0.3966**.

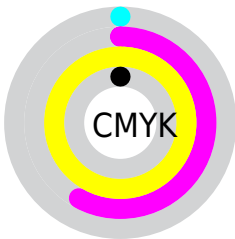
Distribution



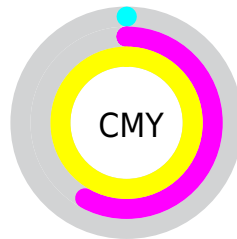
- Red (100%)
- Green (42%)
- Blue (0%)



- Red (100%)
- Yellow (72%)
- Blue (0%)



- Cyan (0%)
- Magenta (58%)
- Yellow (100%)
- Black (0%)



- Cyan (0%)
- Magenta (58%)
- Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 31.7754, 0.5674, 0.3877 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 31.7754, 0.5674, 0.3877 by changing the saturation by 10% instead.


 31.7754, 0.5674,
0.3877


 31.7754, 0.5674,
0.3877


310.0949, 0.4443,
0.3790


 21.1900, 0.5920,
0.3819


 62.4588, 0.5265,
0.3906


 13.2630, 0.6225,
0.3724


 83.3256, 0.5098,
0.3898


 7.6099, 0.6495,
0.3505


 108.3884, 0.4952,
0.3884

 3.8463, 0.6826,
0.3174

 138.0314, 0.4824,
0.3867

 1.5880, 0.7313,
0.2687

 172.6392, 0.4711,
0.3848

 0.3495, 0.8437,
0.1563

 212.5961, 0.4611,

 0.0000, 1.0000,

0.3828

0.0000

 258.2865, 0.4522,
0.3809

 0.0000, 0.0000,
0.0000


 31.7754, 0.5674,
0.3877


 31.7754, 0.5674,
0.3877


 31.7734, 0.5674,
0.3877

 35.2002, 0.5448,
0.3966

 39.2746, 0.5174,
0.4006

 44.0488, 0.4866,
0.3992

 49.5624, 0.4549,
0.3934

 55.8511, 0.4242,
0.3845

62.9478, 0.3960,
0.3738

70.8830, 0.3707,
0.3623

79.6855, 0.3485,
0.3507

89.3825, 0.3293,
0.3396

Harmonies

Analogous

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



31.7754, 0.5573, 0.3081



31.7754, 0.5674, 0.3877



31.7754, 0.4971, 0.4803

Triad

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



31.7754, 0.5674, 0.3877



31.7754, 0.1710, 0.4432



31.7754, 0.1906, 0.1487

Complementary

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



31.7754, 0.5674, 0.3877



28.4029, 0.1840, 0.1825

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.



31.7754, 0.1289, 0.1481



31.7754, 0.5674, 0.3877



31.7754, 0.1160, 0.2771

Square

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



31.7754, 0.5674, 0.3877



31.7754, 0.2722, 0.5818



31.7754, 0.1054, 0.1837



31.7754, 0.3016, 0.1789

Rectangle

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



31.7754, 0.5674, 0.3877



31.7754, 0.4271, 0.5440



31.7754, 0.1054, 0.1837



31.7754, 0.1651, 0.1451

Sweetspot

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



31.7734, 0.5674, 0.3877



70.8830, 0.3707, 0.3623



23.4219, 0.4643, 0.2332



14.4335, 0.3810, 0.3672



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.



31.7734, 0.5674, 0.3877



79.9634, 0.4350, 0.4928



19.2395, 0.3284, 0.3390



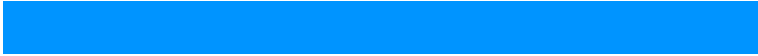
16.8817, 0.5645, 0.3900



1.8540, 0.5442, 0.4061

Inverse Universe

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



28.4029, 0.1840, 0.1825



7.7656, 0.1511, 0.0641



19.1293, 0.2979, 0.3188



15.1431, 0.1848, 0.1851



1.6906, 0.1897, 0.2030

Previews

White Background



This preview shows how the Yxy color 31.7754, 0.5674, 0.3877 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 31.7754, 0.5674, 0.3877 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 31.7754, 0.5674, 0.3877

Background



This preview shows how black text looks on a background with the Yxy color 31.7754, 0.5674, 0.3877.



This preview shows how white text looks on a background with the Yxy color 31.7754, 0.5674, 0.3877.

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

31.7754, 0.5674, 0.3877

Protanopia

32.0656, 0.4348, 0.4814

Tritanopia

31.8455, 0.4953, 0.3239

Trichromacy



Original Color

31.7754, 0.5674, 0.3877

Protanomaly

30.6252, 0.4885, 0.4444

Tritanomaly

31.5903, 0.5365, 0.3586

Monochromacy



Original Color

31.7754, 0.5674, 0.3877

Achromatopsia

25.8183, 0.3127, 0.3290

Achromatomaly

25.7071, 0.4252, 0.3848

CSS Examples

Text

The CSS property to change the color of the text to Yxy 31.7754, 0.5674, 0.3877 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, 107, 0)` looks like.

```
.text, #text, p{  
    color:rgb(255, 107, 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, 107, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 107, 0) }
```

Border

The CSS property to change the border of an element to Yxy 31.7754, 0.5674, 0.3877 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, 107, 0) }
```

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

```
.border{ border-color:rgb(255, 107, 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, 107, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 107, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 107, 0);  
box-shadow:4px 4px 4px 4px rgb(255, 107,  
0) }
```

Background

The CSS property to change the background color of an element to Yxy 31.7754, 0.5674, 0.3877 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 107, 0) }
```

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

```
.background{ background-color: rgb(255,  
107, 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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