

Converting Colors

$Y_{xy}(38.3071, 0.5706, 0.3592)$

Have a look what the booklet for
Yxy(38.3071, 0.5706, 0.3592)
contains.

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Color

Yxy(31.0107, 0.5523, 0.3674)

Conversions

Conversions Part 1

Format	Color
Hex	FF6634
RGB	255, 102, 52
RGB Percent	100%, 40%, 20%
CMY	0.0000, 0.6000, 0.7961
CMYK	0.00, 0.60, 0.80, 0.00
HSL	15°, 100%, 60%
HSV	15°, 80%, 100%
XYZ	46.6173, 31.0107, 6.7778
YIQ	142.0470, 107.2380, 16.8860

Conversions

Conversions Part 2

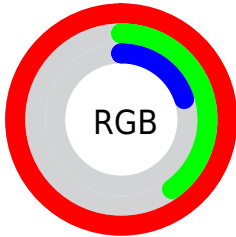
Format	Color
R_{YB}	255, 118, 52
Decimal	16737844
CIE _{Lab}	62.52, 55.88, 56.11
CIE _{LCh}	63, 79.188, 45.119
Yxy	31.0107, 0.5523, 0.3674
Android (android.graphics.Color)	4294927924 (0xFFFF6634)
YUV	142.0470, -44.3932, 99.0598
Hunter-Lab	55.6873, 51.9746, 31.7648

Details

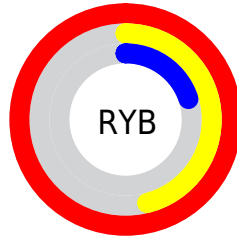
The Yxy color **31.0107, 0.5523, 0.3674** is a dark color, and the websafe version is hex **FF6633**. The color can be described as middle washed orange. A complement of this color would be **51.6205, 0.2115, 0.2643**, and the grayscale version is **27.2138, 0.3127, 0.3290**.

A 20% lighter version of the original color is **46.6730, 0.4610, 0.3852**, and **12.8239, 0.6108, 0.3532** is the 20% darker color. If you saturate the color by 10%, you get **27.4878, 0.5859, 0.3619**, and if you desaturate by 10%, it is **35.5287, 0.5133, 0.3687**.

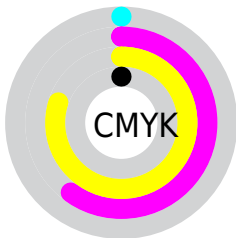
Distribution



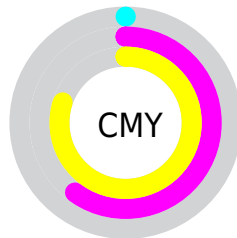
- Red (100%)
- Green (40%)
- Blue (20%)



- Red (100%)
- Yellow (46%)
- Blue (20%)



- Cyan (0%)
- Magenta (60%)
- Yellow (80%)
- Black (0%)





- Cyan (0%)
- Magenta (60%)
- Yellow (80%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 31.0107, 0.5523, 0.3674 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 31.0107, 0.5523, 0.3674 by changing the saturation by 10% instead.


 31.0107, 0.5523,
0.3674


 31.0107, 0.5523,
0.3674


306.5876, 0.4303,
0.3624


 20.6070, 0.5800,
0.3628


 61.2569, 0.5093,
0.3698


 12.8370, 0.6127,
0.3537


 81.8682, 0.4926,
0.3694


 7.3164, 0.6592,
0.3408


 106.6508, 0.4783,
0.3685

 3.6608, 0.6941,
0.3059

 135.9892, 0.4659,
0.3674

 1.4857, 0.7452,
0.2548

 170.2676, 0.4552,
0.3662

 0.2786, 0.8721,
0.1279

 209.8706, 0.4459,

 0.0000, 1.0000,

0.3649

0.0000

255.1825, 0.4376,
0.3637

■ 0.0000, 0.0000,
0.0000

■ 31.0107, 0.5523,
0.3674

■ 31.0107, 0.5523,
0.3674

■ 27.4878, 0.5859,
0.3619

■ 35.5287, 0.5133,
0.3687

■ 24.8780, 0.6107,
0.3529

■ 41.1216, 0.4734,
0.3664

■ 24.7917, 0.6116,
0.3526

■ 47.8528, 0.4359,
0.3616

■ 55.7824, 0.4024,
0.3554

■ 64.9662, 0.3736,
0.3485

■ 75.4562, 0.3493,
0.3416

■ 87.3016, 0.3290,
0.3350

100.0000, 0.3127,
0.3290

Harmonies

Analogous

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



31.0107, 0.5129, 0.2929



31.0107, 0.5523, 0.3674



31.0107, 0.5097, 0.4501

Triad

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



31.0107, 0.5523, 0.3674



31.0107, 0.2089, 0.4742



31.0107, 0.1800, 0.1586

Complementary

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



31.0107, 0.5523, 0.3674



51.6205, 0.2115, 0.2643

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.



31.0107, 0.1323, 0.1676



31.0107, 0.5523, 0.3674



31.0107, 0.1419, 0.3217

Square

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



31.0107, 0.5523, 0.3674



31.0107, 0.3113, 0.5643



31.0107, 0.1193, 0.2158



31.0107, 0.2701, 0.1793

Rectangle

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



31.0107, 0.5523, 0.3674



31.0107, 0.4526, 0.5073



31.0107, 0.1193, 0.2158



31.0107, 0.1598, 0.1580

Sweetspot

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



31.0084, 0.5523, 0.3674



70.6829, 0.3595, 0.3447



28.2525, 0.3734, 0.1960



14.3411, 0.3683, 0.3471



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.



31.0084, 0.5523, 0.3674



25.7226, 0.6027, 0.3563



63.2197, 0.4542, 0.4578



18.7134, 0.3288, 0.3349



13.1492, 0.6089, 0.3547



1.4433, 0.5873, 0.3719

Inverse Universe

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



51.6205, 0.2115, 0.2643



46.1918, 0.2030, 0.2492



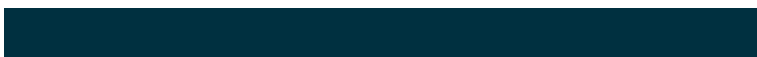
18.2864, 0.1763, 0.1308



19.6791, 0.2980, 0.3230



23.7671, 0.2020, 0.2471



2.4855, 0.2049, 0.2575

Previews

White Background



This preview shows how the Yxy color 31.0107, 0.5523, 0.3674 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 31.0107, 0.5523, 0.3674 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 31.0107, 0.5523, 0.3674

Background



This preview shows how black text looks on a background with the Yxy color 31.0107, 0.5523, 0.3674.



This preview shows how white text looks on a background with the Yxy color 31.0107, 0.5523, 0.3674.

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

31.0107, 0.5523, 0.3674

Protanopia

31.1747, 0.4098, 0.4504

Deuteranopia

31.0402, 0.4585, 0.4508



Tritanopia

30.9948, 0.5030, 0.3241

Trichromacy



Original Color

31.0107, 0.5523, 0.3674

Protanomaly

29.6665, 0.4658, 0.4164

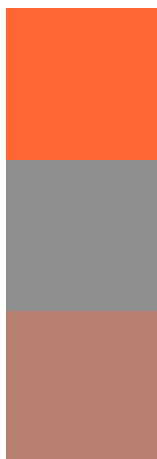
Deuteranomaly

30.1785, 0.4969, 0.4161

Tritanomaly

30.8396, 0.5247, 0.3418

Monochromacy



Original Color

31.0107, 0.5523, 0.3674

Achromatopsia

27.0498, 0.3127, 0.3290

Achromatomaly

26.3502, 0.4026, 0.3551

CSS Examples

Text

The CSS property to change the color of the text to Yxy 31.0107, 0.5523, 0.3674 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, 102, 52)` looks like.

```
.text, #text, p{  
    color:rgb(255, 102, 52)  
}
```

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, 102, 52) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 102, 52) }
```

Border

The CSS property to change the border of an element to Yxy 31.0107, 0.5523, 0.3674 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, 102, 52) }
```

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

```
.border{ border-color:rgb(255, 102, 52) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 102, 52)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 102, 52); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 102, 52);  
box-shadow:4px 4px 4px 4px rgb(255, 102,  
52) }
```


Background

The CSS property to change the background color of an element to Yxy 31.0107, 0.5523, 0.3674 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 102, 52) }
```

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

```
.background{ background-color: rgb(255,  
102, 52) }
```

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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