

Converting Colors

$Y_{xy}(30.0173, 0.5759, 0.3787)$

Have a look what the booklet for
Yxy(30.0173, 0.5759, 0.3787)
contains.

Yxy(30.0107, 0.5760, 0.3787)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(30.0107, 0.5760, 0.3787)

Conversions

Conversions Part 1

Format	Color
Hex	FF6207
RGB	255, 98, 7
RGB Percent	100%, 38%, 3%
CMY	0.0000, 0.6156, 0.9722
CMYK	0.00, 0.62, 0.97, 0.00
HSL	22°, 100%, 51%
HSV	22°, 97%, 100%
XYZ	45.6461, 30.0107, 3.5899
YIQ	134.5690, 122.7830, 4.9830

Conversions

Conversions Part 2

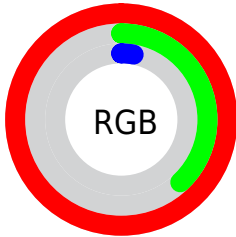
Format	Color
R_{YB}	255, 151, 7
Decimal	16736775
CIE _{Lab}	61.66, 56.80, 69.77
CIE _{LCh}	62, 89.967, 50.852
Y _{xy}	30.0107, 0.5760, 0.3787
Android (android.graphics.Color)	4294926855 (0xFFFF6207)
YUV	134.5690, -62.8915, 105.6180
Hunter-Lab	54.7820, 52.8631, 34.4621

Details

The Yxy color **30.0107, 0.5760, 0.3787** 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 **33.8395, 0.1907, 0.2054**, and the grayscale version is **24.2687, 0.3127, 0.3290**.

A 20% lighter version of the original color is **44.8261, 0.4879, 0.4056**, and **12.3982, 0.6170, 0.3483** is the 20% darker color. If you saturate the color by 10%, you get **29.1816, 0.5822, 0.3759**, and if you desaturate by 10%, it is **33.4372, 0.5507, 0.3873**.

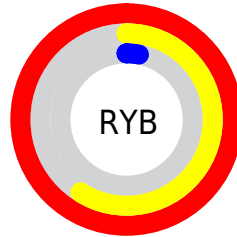
Distribution



Red (100%)

Green (38%)

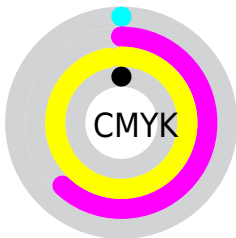
Blue (3%)



Red (100%)

Yellow (59%)

Blue (3%)

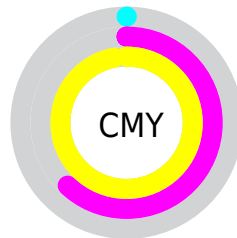


Cyan (0%)

Magenta (62%)

Yellow (97%)

Black (0%)



Cyan (0%)


Magenta (62%)


Yellow (97%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 30.0107, 0.5760, 0.3787 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 30.0107, 0.5760, 0.3787 by changing the saturation by 10% instead.

 30.0107, 0.5760,
0.3787


 30.0107, 0.5760,
0.3787


301.9543, 0.4470,
0.3748


 19.8467, 0.6022,
0.3715


 59.6791, 0.5327,
0.3834

 12.2837, 0.6353,
0.3605


 79.9523, 0.5152,
0.3833


 6.9372, 0.6641,
0.3359


 104.3640, 0.4999,
0.3825

 3.4228, 0.7004,
0.2996

 133.2987, 0.4865,
0.3812

 1.3563, 0.7536,
0.2464

 167.1406, 0.4748,
0.3797


 0.1842, 0.9065,
0.0935

 206.2743, 0.4644,


 0.0000, 1.0000,


0.3781


0.0000

 251.0841, 0.4552,
0.3764

 0.0000, 0.0000,
0.0000

 30.0107, 0.5760,
0.3787


 30.0107, 0.5760,
0.3787

 29.1816, 0.5822,
0.3759

 33.4372, 0.5507,
0.3873

 37.6122, 0.5196,
0.3907

 42.5902, 0.4857,
0.3890

 48.4172, 0.4516,
0.3834

 55.1349, 0.4196,
0.3752

62.7820, 0.3906,
0.3656

71.3944, 0.3652,
0.3554

81.0062, 0.3432,
0.3453

91.6495, 0.3245,
0.3356

Harmonies

Analogous

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



30.0107, 0.5572, 0.2993



30.0107, 0.5760, 0.3787



30.0107, 0.5085, 0.4719

Triad

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



30.0107, 0.5760, 0.3787



30.0107, 0.1751, 0.4645



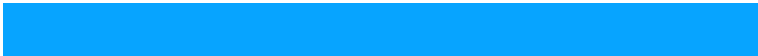
30.0107, 0.1800, 0.1439

Complementary

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



30.0107, 0.5760, 0.3787



33.8395, 0.1907, 0.2054

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.



30.0107, 0.1218, 0.1461



30.0107, 0.5760, 0.3787



30.0107, 0.1150, 0.2881

Square

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



30.0107, 0.5760, 0.3787



30.0107, 0.2807, 0.5955



30.0107, 0.1012, 0.1860



30.0107, 0.2881, 0.1717

Rectangle

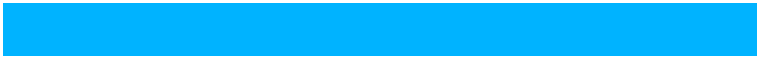
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



30.0107, 0.5760, 0.3787



30.0107, 0.4382, 0.5387



30.0107, 0.1012, 0.1860



30.0107, 0.1556, 0.1412

Sweetspot

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



30.0124, 0.5760, 0.3787



69.7947, 0.3694, 0.3572



24.0970, 0.4390, 0.2202



14.1429, 0.3801, 0.3616



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.



30.0124, 0.5760, 0.3787



29.1821, 0.5822, 0.3759



73.4868, 0.4442, 0.4844



19.0780, 0.3285, 0.3378



15.5076, 0.5793, 0.3783



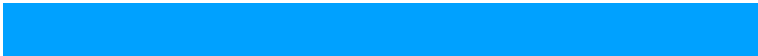
1.7097, 0.5578, 0.3953

Inverse Universe

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



33.8395, 0.1907, 0.2054



32.8743, 0.1893, 0.2016



8.7921, 0.1537, 0.0715



19.2955, 0.2979, 0.3201



17.4723, 0.1900, 0.2039



1.9098, 0.1944, 0.2197

Previews

White Background



This preview shows how the Yxy color 30.0107, 0.5760, 0.3787 looks on a white background.

Color Contrast Check

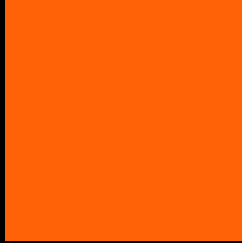
Large Text (above 18pt) WCAG AA ✓ Pass

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 30.0107, 0.5760, 0.3787 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 30.0107, 0.5760, 0.3787

Background



This preview shows how black text looks on a background with the Yxy color 30.0107, 0.5760, 0.3787.



This preview shows how white text looks on a background with the Yxy color 30.0107, 0.5760, 0.3787.

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

30.0107, 0.5760, 0.3787

Protanopia

30.2167, 0.4333, 0.4804

Deuteranopia

30.0374, 0.4705, 0.4647



Tritanopia

29.9705, 0.5138, 0.3252

Trichromacy



Original Color

30.0107, 0.5760, 0.3787

Protanomaly

28.5625, 0.4924, 0.4387

Deuteranomaly

28.9253, 0.5138, 0.4292

Tritanomaly

29.8261, 0.5482, 0.3533

Monochromacy



Original Color

30.0107, 0.5760, 0.3787

Achromatopsia

24.2281, 0.3127, 0.3290

Achromatomaly

24.2074, 0.4268, 0.3783

CSS Examples

Text

The CSS property to change the color of the text to Yxy 30.0107, 0.5760, 0.3787 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, 98, 7)` looks like.

```
.text, #text, p{  
    color:rgb(255, 98, 7)  
}
```

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, 98, 7) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 98, 7) }
```

Border

The CSS property to change the border of an element to Yxy 30.0107, 0.5760, 0.3787 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, 98, 7) }
```

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

```
.border{ border-color:rgb(255, 98, 7) }
```

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

Here you see how a box with a 4 pixel rgb(255, 98, 7) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 98, 7); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 98, 7);  
box-shadow:4px 4px 4px 4px rgb(255, 98, 7)  
}
```


Background

The CSS property to change the background color of an element to Yxy 30.0107, 0.5760, 0.3787 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 98, 7) }
```

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

```
.background{ background-color: rgb(255, 98,  
7) }
```

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