

Converting Colors

$Y_{xy}(32.1578, 0.5597, 0.3843)$

Have a look what the booklet for
Yxy(32.1578, 0.5597, 0.3843)
contains.

Yxy(32.0553, 0.5604, 0.3840)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(32.0553, 0.5604, 0.3840)

Conversions

Conversions Part 1

Format	Color
Hex	FF6C19
RGB	255, 108, 25
RGB Percent	100%, 42%, 10%
CMY	0.0000, 0.5765, 0.9019
CMYK	0.00, 0.58, 0.90, 0.00
HSL	22°, 100%, 55%
HSV	22°, 90%, 100%
XYZ	46.7807, 32.0553, 4.6413
YIQ	142.4910, 114.2550, 5.3510

Conversions

Conversions Part 2

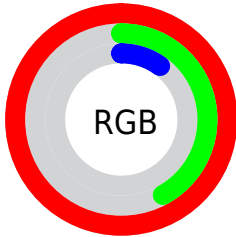
Format	Color
R_{YB}	255, 155, 25
Decimal	16739353
CIE _{Lab}	63.39, 52.58, 67.01
CIE _{LCh}	63, 85.178, 51.881
Yxy	32.0553, 0.5604, 0.3840
Android (android.graphics.Color)	4294929433 (0xFFFF6C19)
YUV	142.4910, -57.9231, 98.6704
Hunter-Lab	56.6174, 48.4070, 34.7717

Details

The Yxy color **32.0553, 0.5604, 0.3840** is a dark color, and the websafe version is hex **FF6600**. The color can be described as dark washed orange. A complement of this color would be **36.9327, 0.1952, 0.2171**, and the grayscale version is **27.4554, 0.3127, 0.3290**.

A 20% lighter version of the original color is **48.0485, 0.4731, 0.4072**, and **13.4934, 0.6015, 0.3606** is the 20% darker color. If you saturate the color by 10%, you get **28.9178, 0.5838, 0.3746**, and if you desaturate by 10%, it is **35.9849, 0.5306, 0.3891**.

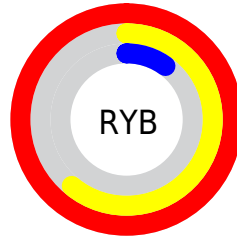
Distribution



Red (100%)

Green (42%)

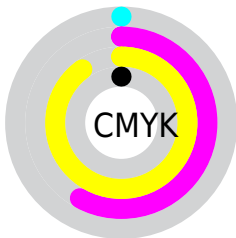
Blue (10%)



Red (100%)

Yellow (61%)

Blue (10%)

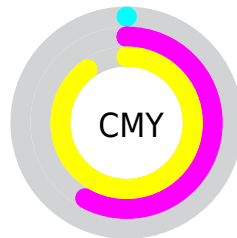


Cyan (0%)

Magenta (58%)

Yellow (90%)

Black (0%)



Cyan (0%)


Magenta (58%)


Yellow (90%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 32.0553, 0.5604, 0.3840 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 32.0553, 0.5604, 0.3840 by changing the saturation by 10% instead.


 32.0553, 0.5604,
0.3840


 32.0553, 0.5604,
0.3840


311.3711, 0.4387,
0.3747


 21.4037, 0.5858,
0.3791


 62.8978, 0.5192,
0.3860


 13.4194, 0.6153,
0.3696


 83.8575, 0.5026,
0.3851

 7.7180, 0.6483,
0.3517


 109.0220, 0.4882,
0.3836

 3.9150, 0.6810,
0.3190

 138.7758, 0.4757,
0.3819

 1.6262, 0.7292,
0.2708

 173.5032, 0.4647,
0.3801

 0.3751, 0.8365,
0.1635

 213.5886, 0.4550,


 0.0000, 1.0000,


0.3783

0.0000

 259.4164, 0.4464,
0.3764

 0.0000, 0.0000,
0.0000

 32.0553, 0.5604,
0.3840

 32.0553, 0.5604,
0.3840


 28.9178, 0.5838,
0.3746

 35.9849, 0.5306,
0.3891

 40.7128, 0.4969,
0.3889

 46.2877, 0.4623,
0.3845

 52.7534, 0.4292,
0.3771

 60.1501, 0.3991,
0.3679

68.5153, 0.3725,
0.3580

77.8843, 0.3495,
0.3480

88.2904, 0.3298,
0.3383

99.7655, 0.3130,
0.3292

Harmonies

Analogous

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



32.0553, 0.5428, 0.3062



32.0553, 0.5604, 0.3840



32.0553, 0.4983, 0.4726

Triad

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



32.0553, 0.5604, 0.3840



32.0553, 0.1822, 0.4478



32.0553, 0.1904, 0.1535

Complementary

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



32.0553, 0.5604, 0.3840



36.9327, 0.1952, 0.2171

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.



32.0553, 0.1324, 0.1551



32.0553, 0.5604, 0.3840



32.0553, 0.1246, 0.2884

Square

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



32.0553, 0.5604, 0.3840



32.0553, 0.2827, 0.5719



32.0553, 0.1113, 0.1932



32.0553, 0.2948, 0.1814

Rectangle

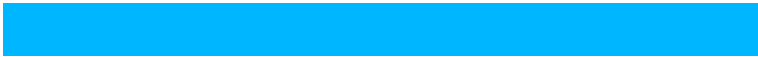
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



32.0553, 0.5604, 0.3840



32.0553, 0.4325, 0.5328



32.0553, 0.1113, 0.1932



32.0553, 0.1663, 0.1506

Sweetspot

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



32.0554, 0.5604, 0.3840



71.3978, 0.3648, 0.3548



25.0310, 0.4217, 0.2142



14.6235, 0.3730, 0.3582



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.



32.0554, 0.5604, 0.3840



28.9178, 0.5838, 0.3746



72.7797, 0.4436, 0.4809



19.0599, 0.3285, 0.3376



15.3669, 0.5809, 0.3770



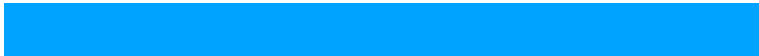
1.6946, 0.5593, 0.3941

Inverse Universe

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



36.9327, 0.1952, 0.2171



33.4072, 0.1899, 0.2037



10.6066, 0.1587, 0.0840



19.3142, 0.2980, 0.3202



17.7494, 0.1906, 0.2060



1.9356, 0.1949, 0.2216

Previews

White Background



This preview shows how the Yxy color 32.0553, 0.5604, 0.3840 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 32.0553, 0.5604, 0.3840 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 32.0553, 0.5604, 0.3840

Background



This preview shows how black text looks on a background with the Yxy color 32.0553, 0.5604, 0.3840.



This preview shows how white text looks on a background with the Yxy color 32.0553, 0.5604, 0.3840.

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

32.0553, 0.5604, 0.3840

Protanopia

32.1290, 0.4304, 0.4748

Deuteranopia

32.0271, 0.4713, 0.4640



Tritanopia

32.0646, 0.4935, 0.3239

Trichromacy



Original Color

32.0553, 0.5604, 0.3840

Protanomaly

30.6976, 0.4827, 0.4377

Deuteranomaly

31.1212, 0.5081, 0.4318

Tritanomaly

31.9132, 0.5271, 0.3529

Monochromacy



Original Color

32.0553, 0.5604, 0.3840

Achromatopsia

27.0498, 0.3127, 0.3290

Achromatomaly

26.9334, 0.4126, 0.3734

CSS Examples

Text

The CSS property to change the color of the text to Yxy 32.0553, 0.5604, 0.3840 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, 108, 25)` looks like.

```
.text, #text, p{  
    color:rgb(255, 108, 25)  
}
```

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, 108, 25) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 108, 25) }
```

Border

The CSS property to change the border of an element to Yxy 32.0553, 0.5604, 0.3840 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, 108, 25) }
```

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

```
.border{ border-color:rgb(255, 108, 25) }
```

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

Here you see how a box with a 4 pixel rgb(255, 108, 25) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 108, 25); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 108, 25);  
box-shadow:4px 4px 4px 4px rgb(255, 108,  
25) }
```


Background

The CSS property to change the background color of an element to Yxy 32.0553, 0.5604, 0.3840 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 108, 25) }
```

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

```
.background{ background-color: rgb(255,  
108, 25) }
```

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