

Converting Colors

$Y_{xy}(37.8436, 0.5119, 0.3845)$

Have a look what the booklet for
Yxy(37.8436, 0.5119, 0.3845)
contains.

Yxy(37.9100, 0.5120, 0.3851)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(37.9100, 0.5120, 0.3851)

Conversions

Conversions Part 1

Format	Color
Hex	FF8344
RGB	255, 131, 68
RGB Percent	100%, 51%, 27%
CMY	0.0000, 0.4863, 0.7333
CMYK	0.00, 0.49, 0.73, 0.00
HSL	20°, 100%, 63%
HSV	20°, 73%, 100%
XYZ	50.4023, 37.9100, 10.1297
YIQ	160.8940, 94.1270, 6.6950

Conversions

Conversions Part 2

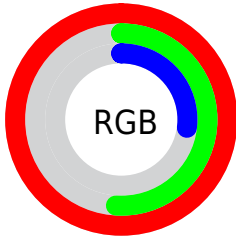
Format	Color
R _{YB}	255, 163, 68
Decimal	16745284
CIE Lab	67.95, 42.84, 54.12
CIE LCh	68, 69.024, 51.641
Yxy	37.9100, 0.5120, 0.3851
Android (android.graphics.Color)	4294935364 (0xFFFF8344)
YUV	160.8940, -45.7967, 82.5310
Hunter-Lab	61.5711, 38.3712, 33.3454

Details

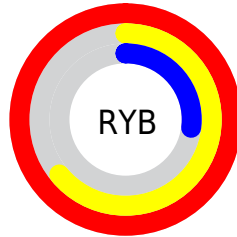
The Yxy color **37.9100, 0.5120, 0.3851** is a light color, and the websafe version is hex **FF6633**. The color can be described as light washed orange. A complement of this color would be **46.1483, 0.2102, 0.2469**, and the grayscale version is **35.7727, 0.3127, 0.3290**.

A 20% lighter version of the original color is **57.7097, 0.4280, 0.3976**, and **16.8329, 0.5614, 0.3838** is the 20% darker color. If you saturate the color by 10%, you get **33.4863, 0.5459, 0.3833**, and if you desaturate by 10%, it is **43.2110, 0.4762, 0.3824**.

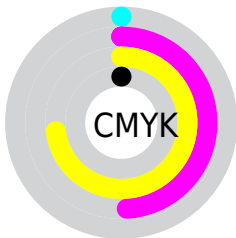
Distribution



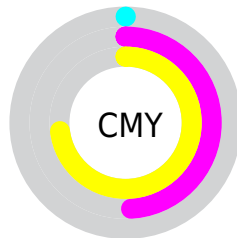
- Red (100%)
- Green (51%)
- Blue (27%)



- Red (100%)
- Yellow (64%)
- Blue (27%)



- Cyan (0%)
- Magenta (49%)
- Yellow (73%)
- Black (0%)





- Cyan (0%)
- Magenta (49%)
- Yellow (73%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 37.9100, 0.5120, 0.3851 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 37.9100, 0.5120, 0.3851 by changing the saturation by 10% instead.

 37.9100, 0.5120,
0.3851


 37.9100, 0.5120,
0.3851


337.2337, 0.4125,
0.3674

 25.9128, 0.5347,
0.3854


 71.9702, 0.4770,
0.3816


 16.7585, 0.5617,
0.3832


 94.8020, 0.4635,
0.3794


 10.0624, 0.5940,
0.3764


 122.0141, 0.4518,
0.3772

 5.4404, 0.6366,
0.3634

 153.9910, 0.4418,
0.3750

 2.5079, 0.6725,
0.3275

 191.1170, 0.4330,
0.3729

 0.8806, 0.7291,
0.2709

233.7765, 0.4253,

 0.0000, 1.0000,

0.3709

0.0000

282.3540, 0.4185,
0.3691

■ 0.0000, 0.0000,
0.0000

■ 37.9100, 0.5120,
0.3851

■ 37.9100, 0.5120,
0.3851

■ 33.4863, 0.5459,
0.3833

■ 43.2110, 0.4762,
0.3824

■ 29.8838, 0.5746,
0.3763


■ 49.4372, 0.4414,
0.3763


■ 27.9012, 0.5902,
0.3696

■ 56.6339, 0.4095,
0.3682

■ 64.8427, 0.3812,
0.3590

■ 74.1027, 0.3566,
0.3496

 84.4507, 0.3357,
0.3405

 95.9218, 0.3180,
0.3318

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.



37.9100, 0.4907, 0.3164



37.9100, 0.5120, 0.3851



37.9100, 0.4706, 0.4562

Triad

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



37.9100, 0.5120, 0.3851



37.9100, 0.2128, 0.4192



37.9100, 0.2143, 0.1839

Complementary

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



37.9100, 0.5120, 0.3851



46.1483, 0.2102, 0.2469

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.



37.9100, 0.1634, 0.1871



37.9100, 0.5120, 0.3851



37.9100, 0.1604, 0.3031

Square

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



37.9100, 0.5120, 0.3851



37.9100, 0.2976, 0.5090



37.9100, 0.1455, 0.2235



37.9100, 0.3000, 0.2077

Rectangle

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



37.9100, 0.5120, 0.3851



37.9100, 0.4204, 0.4976



37.9100, 0.1455, 0.2235



37.9100, 0.1935, 0.1817

Sweetspot

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



37.9104, 0.5120, 0.3851



75.4181, 0.3537, 0.3484



29.2299, 0.3911, 0.2161



15.5740, 0.3598, 0.3509



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.



37.9104, 0.5120, 0.3851



31.7063, 0.5602, 0.3807



74.8993, 0.4304, 0.4679



18.9871, 0.3286, 0.3371



14.8245, 0.5872, 0.3719



1.6357, 0.5653, 0.3893

Inverse Universe

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



46.1483, 0.2102, 0.2469



39.9057, 0.1987, 0.2278



17.4046, 0.1793, 0.1252



19.3900, 0.2980, 0.3208



18.9043, 0.1930, 0.2146



2.0427, 0.1970, 0.2292

Previews

White Background



This preview shows how the Yxy color 37.9100, 0.5120, 0.3851 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 37.9100, 0.5120, 0.3851 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 37.9100, 0.5120, 0.3851

Background



This preview shows how black text looks on a background with the Yxy color 37.9100, 0.5120, 0.3851.



This preview shows how white text looks on a background with the Yxy color 37.9100, 0.5120, 0.3851.

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

37.9100, 0.5120, 0.3851

Protanopia

38.0273, 0.4060, 0.4435

Deuteranopia

38.0560, 0.4482, 0.4396



Tritanopia

37.9029, 0.4492, 0.3213

Trichromacy



Original Color

37.9100, 0.5120, 0.3851

Protanomaly

36.9921, 0.4461, 0.4206

Deuteranomaly

37.3973, 0.4722, 0.4179

Tritanomaly

37.8241, 0.4753, 0.3473

Monochromacy



Original Color

37.9100, 0.5120, 0.3851

Achromatopsia

35.6400, 0.3127, 0.3290

Achromatomaly

34.9471, 0.3837, 0.3601

CSS Examples

Text

The CSS property to change the color of the text to Yxy 37.9100, 0.5120, 0.3851 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, 131, 68)` looks like.

```
.text, #text, p{  
    color:rgb(255, 131, 68)  
}
```

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, 131, 68) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 131, 68) }
```

Border

The CSS property to change the border of an element to Yxy 37.9100, 0.5120, 0.3851 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, 131, 68) }
```

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

```
.border{ border-color:rgb(255, 131, 68) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 131, 68)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 131, 68); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 131, 68);  
box-shadow:4px 4px 4px 4px rgb(255, 131,  
68) }
```


Background

The CSS property to change the background color of an element to Yxy 37.9100, 0.5120, 0.3851 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 131, 68) }
```

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

```
.background{ background-color: rgb(255,  
131, 68) }
```

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