

Converting Colors

$Y_{xy}(34.6764, 0.5270, 0.3826)$

Have a look what the booklet for
Yxy(34.6764, 0.5270, 0.3826)
contains.

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Color

Yxy(34.6757, 0.5270, 0.3827)

Conversions

Conversions Part 1

Format	Color
Hex	FC793A
RGB	252, 121, 58
RGB Percent	99%, 47%, 23%
CMY	0.0117, 0.5255, 0.7725
CMYK	0.00, 0.52, 0.77, 0.01
HSL	19°, 97%, 61%
HSV	19°, 77%, 99%
XYZ	47.7504, 34.6757, 8.1819
YIQ	152.9870, 98.2990, 8.1790

Conversions

Conversions Part 2

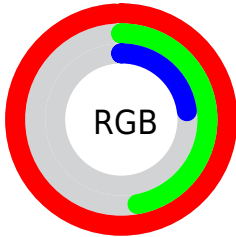
Format	Color
R _{YB}	252, 151, 58
Decimal	16546106
CIE _{Lab}	65.50, 46.21, 56.11
CIE _{LCh}	65, 72.689, 50.529
Yxy	34.6757, 0.5270, 0.3827
Android (android.graphics.Color)	4294736186 (0xFFFC793A)
YUV	152.9870, -46.8286, 86.8344
Hunter-Lab	58.8861, 41.6942, 32.9822

Details

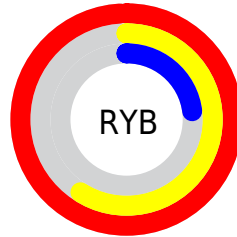
The Yxy color **34.6757, 0.5270, 0.3827** is a dark color, and the websafe version is hex **FF6633**. The color can be described as middle washed orange. A complement of this color would be **44.3415, 0.2078, 0.2456**, and the grayscale version is **32.0263, 0.3127, 0.3290**.

A 20% lighter version of the original color is **53.4148, 0.4423, 0.3969**, and **14.8278, 0.5800, 0.3770** is the 20% darker color. If you saturate the color by 10%, you get **30.7026, 0.5599, 0.3789**, and if you desaturate by 10%, it is **39.5078, 0.4909, 0.3817**.

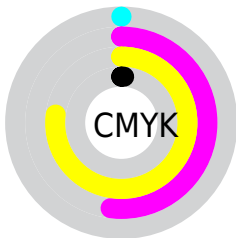
Distribution



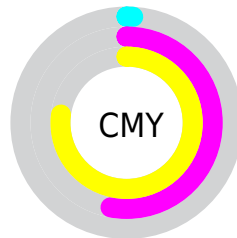
- Red (99%)
- Green (47%)
- Blue (23%)



- Red (99%)
- Yellow (59%)
- Blue (23%)



- Cyan (0%)
- Magenta (52%)
- Yellow (77%)
- Black (1%)





- Cyan (1%)
- Magenta (53%)
- Yellow (77%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 34.6757, 0.5270, 0.3827 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 34.6757, 0.5270, 0.3827 by changing the saturation by 10% instead.


 34.6757, 0.5270,
0.3827


 34.6757, 0.5270,
0.3827


323.1346, 0.4193,
0.3678


 23.4132, 0.5514,
0.3815

 66.9831, 0.4892,
0.3808

 14.8989, 0.5802,
0.3770


 88.7967, 0.4745,
0.3790

 8.7485, 0.6170,
0.3681


 114.8962, 0.4618,
0.3770

 4.5775, 0.6544,
0.3456

 145.6658, 0.4510,
0.3750

 2.0016, 0.6959,
0.3041

 181.4901, 0.4415,
0.3731

 0.6084, 0.7699,
0.2301

 222.7534, 0.4331,

 0.0000, 1.0000,

0.3712

0.0000

269.8401, 0.4258,
0.3694

■ 0.0000, 0.0000,
0.0000

■ 34.6757, 0.5270,
0.3827

■ 34.6757, 0.5270,
0.3827

■ 30.7026, 0.5599,
0.3789

■ 39.5078, 0.4909,
0.3817

■ 27.5239, 0.5863,
0.3702


■ 45.2449, 0.4550,
0.3770

■ 26.7041, 0.5933,
0.3671


■ 51.9358, 0.4214,
0.3698

■ 59.6240, 0.3914,
0.3612

■ 68.3499, 0.3653,
0.3522

 78.1518, 0.3430,
0.3432

 89.0656, 0.3241,
0.3347

 99.4381, 0.3109,
0.3290

Harmonies

Analogous

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



34.6757, 0.5031, 0.3111



34.6757, 0.5270, 0.3827



34.6757, 0.4823, 0.4590

Triad

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



34.6757, 0.5270, 0.3827



34.6757, 0.2072, 0.4323



34.6757, 0.2045, 0.1744

Complementary

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



34.6757, 0.5270, 0.3827



44.3415, 0.2078, 0.2456

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.



34.6757, 0.1528, 0.1783



34.6757, 0.5270, 0.3827



34.6757, 0.1512, 0.3036

Square

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



34.6757, 0.5270, 0.3827



34.6757, 0.2979, 0.5283



34.6757, 0.1352, 0.2171



34.6757, 0.2943, 0.1985

Rectangle

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



34.6757, 0.5270, 0.3827



34.6757, 0.4285, 0.5061



34.6757, 0.1352, 0.2171



34.6757, 0.1831, 0.1724

Sweetspot

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



34.6776, 0.5270, 0.3827



74.0608, 0.3561, 0.3486



27.4696, 0.3920, 0.2111



15.0978, 0.3645, 0.3519



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.



34.6776, 0.5270, 0.3827



29.7797, 0.5743, 0.3750



70.3459, 0.4371, 0.4688



18.1452, 0.3286, 0.3368



14.1454, 0.5903, 0.3695



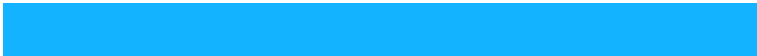
1.4941, 0.5671, 0.3879

Inverse Universe

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



44.3415, 0.2078, 0.2456



39.5503, 0.1974, 0.2268



15.8614, 0.1750, 0.1192



18.6030, 0.2980, 0.3211



18.9546, 0.1942, 0.2191



1.9481, 0.1983, 0.2338

Previews

White Background



This preview shows how the Yxy color 34.6757, 0.5270, 0.3827 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 34.6757, 0.5270, 0.3827 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 34.6757, 0.5270, 0.3827

Background



This preview shows how black text looks on a background with the Yxy color 34.6757, 0.5270, 0.3827.



This preview shows how white text looks on a background with the Yxy color 34.6757, 0.5270, 0.3827.

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

34.6757, 0.5270, 0.3827

Protanopia

34.9184, 0.4106, 0.4512

Deuteranopia

34.6343, 0.4555, 0.4452



Tritanopia

34.6998, 0.4705, 0.3216

Trichromacy



Original Color

34.6757, 0.5270, 0.3827

Protanomaly

33.7768, 0.4544, 0.4247

Deuteranomaly

34.0642, 0.4839, 0.4204

Tritanomaly

34.6943, 0.4945, 0.3467

Monochromacy



Original Color

34.6757, 0.5270, 0.3827

Achromatopsia

31.8547, 0.3127, 0.3290

Achromatomaly

31.1766, 0.3913, 0.3611

CSS Examples

Text

The CSS property to change the color of the text to Yxy 34.6757, 0.5270, 0.3827 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(252, 121, 58)` looks like.

```
.text, #text, p{  
    color:rgb(252, 121, 58)  
}
```

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(252, 121, 58) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(252, 121, 58) }
```

Border

The CSS property to change the border of an element to Yxy 34.6757, 0.5270, 0.3827 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(252, 121, 58) }
```

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

```
.border{ border-color:rgb(252, 121, 58) }
```

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

Here you see how a box with a 4 pixel `rgb(252, 121, 58)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(252, 121, 58); -webkit-box-  
shadow:4px 4px 4px 4px rgb(252, 121, 58);  
box-shadow:4px 4px 4px 4px rgb(252, 121,  
58) }
```


Background

The CSS property to change the background color of an element to Yxy 34.6757, 0.5270, 0.3827 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(252, 121, 58) }
```

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

```
.background{ background-color: rgb(252,  
121, 58) }
```

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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