

Converting Colors

$Y_{xy}(33.4765, 0.5500, 0.3465)$

Have a look what the booklet for
Yxy(33.4765, 0.5500, 0.3465)
contains.

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Color

Yxy(30.1068, 0.5397, 0.3485)

Conversions

Conversions Part 1

Format	Color
Hex	FF6049
RGB	255, 96, 73
RGB Percent	100%, 38%, 29%
CMY	0.0000, 0.6235, 0.7137
CMYK	0.00, 0.62, 0.71, 0.00
HSL	8°, 100%, 64%
HSV	8°, 71%, 100%
XYZ	46.6245, 30.1068, 9.6584
YIQ	140.9190, 102.1470, 26.5550

Conversions

Conversions Part 2

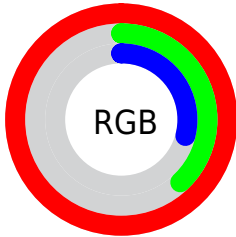
Format	Color
R _Y B	255, 99, 73
Decimal	16736329
CIE Lab	61.75, 59.22, 44.85
CIE LCh	62, 74.285, 37.139
Yxy	30.1068, 0.5397, 0.3485
Android (android.graphics.Color)	4294926409 (0xFFFF6049)
YUV	140.9190, -33.4841, 100.0490
Hunter-Lab	54.8697, 55.6552, 27.9723

Details

The Yxy color **30.1068, 0.5397, 0.3485** 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 **66.3435, 0.2249, 0.3005**, and the grayscale version is **26.7089, 0.3127, 0.3290**.

A 20% lighter version of the original color is **45.1465, 0.4459, 0.3592**, and **12.3576, 0.6041, 0.3350** is the 20% darker color. If you saturate the color by 10%, you get **26.3311, 0.5813, 0.3464**, and if you desaturate by 10%, it is **35.1758, 0.4949, 0.3483**.

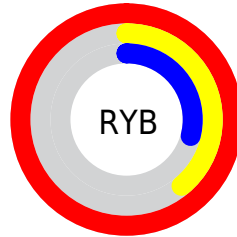
Distribution



Red (100%)

Green (38%)

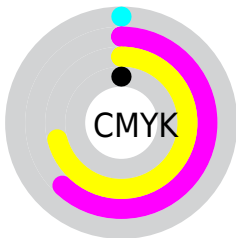
Blue (29%)



Red (100%)

Yellow (39%)

Blue (29%)

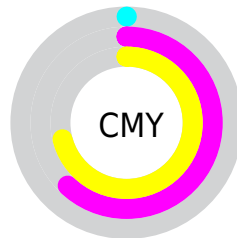


Cyan (0%)

Magenta (62%)

Yellow (71%)

Black (0%)



Cyan (0%)


Magenta (62%)


Yellow (71%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 30.1068, 0.5397, 0.3485 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 30.1068, 0.5397, 0.3485 by changing the saturation by 10% instead.


 30.1068, 0.5397,
0.3485

 30.1068, 0.5397,
0.3485


302.4020, 0.4208,
0.3496

 19.9197, 0.5687,
0.3438


 59.8310, 0.4965,
0.3520

 12.3367, 0.6043,
0.3351


 80.1369, 0.4801,
0.3524

 6.9734, 0.6487,
0.3196


 104.5845, 0.4663,
0.3523

 3.4455, 0.7069,
0.2931

 133.5582, 0.4545,
0.3520

 1.3685, 0.7606,
0.2394

 167.4424, 0.4443,
0.3515

 0.1933, 0.9077,
0.0923

206.6215, 0.4354,


 0.0000, 1.0000,


0.3509


0.0000


251.4799, 0.4277,
0.3502


 0.0000, 0.0000,
0.0000

 30.1068, 0.5397,
0.3485


 30.1068, 0.5397,
0.3485


 26.3311, 0.5813,
0.3464


 35.1758, 0.4949,
0.3483


 23.7253, 0.6136,
0.3418


 41.6365, 0.4520,
0.3463


 22.3048, 0.6311,
0.3371

 49.5835, 0.4139,
0.3433

 59.1017, 0.3815,
0.3398

 70.2696, 0.3547,
0.3362

 83.1604, 0.3327,
0.3327

 97.8428, 0.3149,
0.3294

99.9991, 0.3127,
0.3290

Harmonies

Analogous

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



30.1068, 0.4787, 0.2774



30.1068, 0.5397, 0.3485



30.1068, 0.5192, 0.4264

Triad

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



30.1068, 0.5397, 0.3485



30.1068, 0.2389, 0.4988



30.1068, 0.1695, 0.1643

Complementary

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



30.1068, 0.5397, 0.3485



66.3435, 0.2249, 0.3005

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.



30.1068, 0.1324, 0.1825



30.1068, 0.5397, 0.3485



30.1068, 0.1622, 0.3596

Square

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



30.1068, 0.5397, 0.3485



30.1068, 0.3418, 0.5534



30.1068, 0.1288, 0.2428



30.1068, 0.2453, 0.1770

Rectangle

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



30.1068, 0.5397, 0.3485



30.1068, 0.4725, 0.4809



30.1068, 0.1288, 0.2428



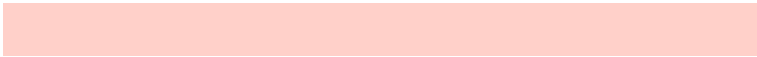
30.1068, 0.1532, 0.1666

Sweetspot

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



30.1085, 0.5397, 0.3485



70.7171, 0.3538, 0.3361



31.9521, 0.3415, 0.1867



14.4364, 0.3606, 0.3371



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.



30.1085, 0.5397, 0.3485



24.9876, 0.5978, 0.3445



56.5358, 0.4588, 0.4334



18.3569, 0.3291, 0.3321



11.7694, 0.6293, 0.3385



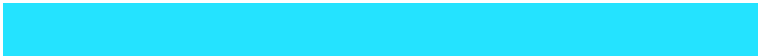
1.2566, 0.6123, 0.3520

Inverse Universe

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



66.3435, 0.2249, 0.3005



62.6795, 0.2172, 0.2939



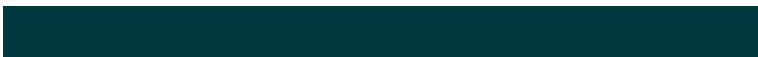
28.2123, 0.1945, 0.1794



20.0664, 0.2980, 0.3259



31.4368, 0.2135, 0.2885



3.1658, 0.2149, 0.2935

Previews

White Background



This preview shows how the Yxy color 30.1068, 0.5397, 0.3485 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 30.1068, 0.5397, 0.3485 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 30.1068, 0.5397, 0.3485

Background



This preview shows how black text looks on a background with the Yxy color 30.1068, 0.5397, 0.3485.



This preview shows how white text looks on a background with the Yxy color 30.1068, 0.5397, 0.3485.

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

30.1068, 0.5397, 0.3485

Protanopia

30.0368, 0.3852, 0.4171

Deuteranopia

30.0305, 0.4393, 0.4310



Tritanopia

30.1663, 0.5119, 0.3251

Trichromacy



Original Color

30.1068, 0.5397, 0.3485

Protanomaly

28.3411, 0.4441, 0.3891

Deuteranomaly

28.7741, 0.4803, 0.3957

Tritanomaly

30.1826, 0.5220, 0.3340

Monochromacy



Original Color

30.1068, 0.5397, 0.3485

Achromatopsia

26.6356, 0.3127, 0.3290

Achromatomaly

25.8733, 0.3939, 0.3422

CSS Examples

Text

The CSS property to change the color of the text to Yxy 30.1068, 0.5397, 0.3485 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, 96, 73)` looks like.

```
.text, #text, p{  
    color:rgb(255, 96, 73)  
}
```

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, 96, 73) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 96, 73) }
```

Border

The CSS property to change the border of an element to Yxy 30.1068, 0.5397, 0.3485 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, 96, 73) }
```

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

```
.border{ border-color:rgb(255, 96, 73) }
```

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

Here you see how a box with a 4 pixel rgb(255, 96, 73) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 96, 73); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 96, 73);  
box-shadow:4px 4px 4px 4px rgb(255, 96,  
73) }
```


Background

The CSS property to change the background color of an element to $\text{Yxy } 30.1068, 0.5397, 0.3485$ is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 96, 73) }
```

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

```
.background{ background-color: rgb(255, 96,  
73) }
```

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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