

Converting Colors

$Y_{xy}(37.4590, 0.5401, 0.3427)$

Have a look what the booklet for
Yxy(37.4590, 0.5401, 0.3427)
contains.

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Color

Yxy(31.6164, 0.5215, 0.3454)

Conversions

Conversions Part 1

| Format | Color |
|-------------|----------------------------|
| Hex | FF6755 |
| RGB | 255, 103, 85 |
| RGB Percent | 100%, 40%, 33% |
| CMY | 0.0000, 0.5961, 0.6666 |
| CMYK | 0.00, 0.60, 0.67, 0.00 |
| HSL | 6°, 100%, 67% |
| HSV | 6°, 67%, 100% |
| XYZ | 47.7358, 31.6164, 12.1834 |
| YIQ | 146.3960, 96.3700, 26.6260 |

Conversions

Conversions Part 2

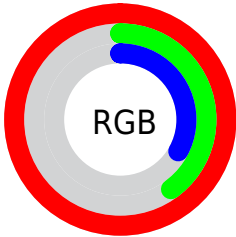
| Format | Color |
|-------------------------------------|--------------------------------|
| R_{YB} | 255, 105, 85 |
| Decimal | 16738133 |
| CIE Lab | 63.02, 56.82, 39.87 |
| CIE LCh | 63, 69.413, 35.061 |
| Yxy | 31.6164, 0.5215, 0.3454 |
| Android (android.graphics.Color) | 4294928213 (0xFFFF6755) |
| YUV | 146.3960, -30.2682, 95.2457 |
| Hunter-Lab | 56.2285, 53.1399, 26.5132 |

Details

The Yxy color **31.6164, 0.5215, 0.3454** is a dark color, and the websafe version is hex **FF6666**. The color can be described as middle muted orange. A complement of this color would be **69.7337, 0.2293, 0.3070**, and the grayscale version is **29.0100, 0.3127, 0.3290**.

A 20% lighter version of the original color is **47.8055, 0.4300, 0.3544**, and **13.2297, 0.5829, 0.3347** is the 20% darker color. If you saturate the color by 10%, you get **27.3457, 0.5659, 0.3445**, and if you desaturate by 10%, it is **37.2658, 0.4763, 0.3445**.

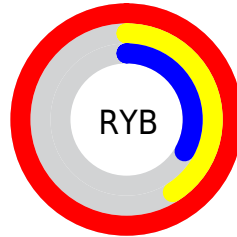
Distribution



Red (100%)

Green (40%)

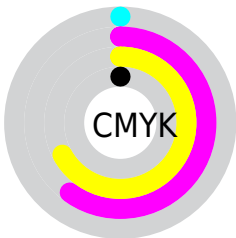
Blue (33%)



Red (100%)

Yellow (41%)

Blue (33%)

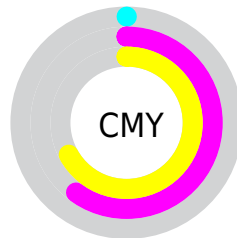


Cyan (0%)

Magenta (60%)

Yellow (67%)

Black (0%)



Cyan (0%)


Magenta (60%)


Yellow (67%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 31.6164, 0.5215, 0.3454 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 31.6164, 0.5215, 0.3454 by changing the saturation by 10% instead.


 31.6164, 0.5215,
0.3454


 31.6164, 0.5215,
0.3454


309.3681, 0.4119,
0.3459

 21.0687, 0.5488,
0.3418


 62.2092, 0.4813,
0.3481

 13.1742, 0.5829,
0.3350


 83.0231, 0.4662,
0.3483


 7.5486, 0.6259,
0.3223


 108.0279, 0.4535,
0.3482

 3.8075, 0.6947,
0.3053

 137.6079, 0.4427,
0.3479

 1.5665, 0.7451,
0.2549

 172.1475, 0.4334,
0.3475

 0.3348, 0.8587,
0.1413

212.0311, 0.4253,


 0.0000, 1.0000,


0.3470

0.0000


257.6432, 0.4181,
0.3464


 0.0000, 0.0000,
0.0000


 31.6164, 0.5215,
0.3454


 31.6164, 0.5215,
0.3454


 27.3457, 0.5659,
0.3445


 37.2658, 0.4763,
0.3445


 24.3398, 0.6033,
0.3414


 44.4052, 0.4347,
0.3424

 22.4561, 0.6278,
0.3367

 53.1283, 0.3987,
0.3397

 22.0424, 0.6333,
0.3353

 63.5222, 0.3686,
0.3367

 75.6682, 0.3439,
0.3336

 89.6417, 0.3239,
0.3308

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.



31.6164, 0.4592, 0.2775



31.6164, 0.5215, 0.3454



31.6164, 0.5100, 0.4190

Triad

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



31.6164, 0.5215, 0.3454



31.6164, 0.2522, 0.4897



31.6164, 0.1749, 0.1744

Complementary

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



31.6164, 0.5215, 0.3454



69.7337, 0.2293, 0.3070

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.



31.6164, 0.1416, 0.1950



31.6164, 0.5215, 0.3454



31.6164, 0.1767, 0.3672

Square

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



31.6164, 0.5215, 0.3454



31.6164, 0.3499, 0.5348



31.6164, 0.1409, 0.2563



31.6164, 0.2443, 0.1844

Rectangle

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



31.6164, 0.5215, 0.3454



31.6164, 0.4698, 0.4692



31.6164, 0.1409, 0.2563



31.6164, 0.1600, 0.1776

Sweetspot

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



31.6145, 0.5215, 0.3454



71.4139, 0.3516, 0.3346



33.9321, 0.3364, 0.1905



14.5522, 0.3585, 0.3355



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.



31.6145, 0.5215, 0.3454



26.2083, 0.5795, 0.3437



57.4589, 0.4506, 0.4269



18.2960, 0.3292, 0.3316



11.6171, 0.6317, 0.3366



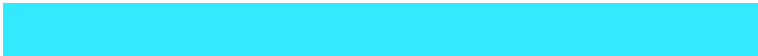
1.2280, 0.6165, 0.3487

Inverse Universe

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



69.7337, 0.2293, 0.3070



66.4433, 0.2213, 0.3020



31.9369, 0.2022, 0.1946



20.1338, 0.2980, 0.3264



32.9077, 0.2154, 0.2953



3.2944, 0.2165, 0.2995

Previews

White Background



This preview shows how the Yxy color 31.6164, 0.5215, 0.3454 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 31.6164, 0.5215, 0.3454 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 31.6164, 0.5215, 0.3454

Background



This preview shows how black text looks on a background with the Yxy color 31.6164, 0.5215, 0.3454.



This preview shows how white text looks on a background with the Yxy color 31.6164, 0.5215, 0.3454.

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

31.6164, 0.5215, 0.3454

Protanopia

31.8687, 0.3749, 0.4041

Deuteranopia

31.7850, 0.4280, 0.4205



Tritanopia

31.6289, 0.4972, 0.3240

Trichromacy



Original Color

31.6164, 0.5215, 0.3454

Protanomaly

30.1782, 0.4294, 0.3804

Deuteranomaly

30.5415, 0.4649, 0.3882

Tritanomaly

31.6636, 0.5063, 0.3323

Monochromacy



Original Color

31.6164, 0.5215, 0.3454

Achromatopsia

28.7441, 0.3127, 0.3290

Achromatomaly

27.8596, 0.3863, 0.3377

CSS Examples

Text

The CSS property to change the color of the text to Yxy 31.6164, 0.5215, 0.3454 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, 103, 85)` looks like.

```
.text, #text, p{  
    color:rgb(255, 103, 85)  
}
```

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, 103, 85) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 103, 85) }
```

Border

The CSS property to change the border of an element to Yxy 31.6164, 0.5215, 0.3454 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, 103, 85) }
```

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

```
.border{ border-color:rgb(255, 103, 85) }
```

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

Here you see how a box with a 4 pixel rgb(255, 103, 85) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 103, 85); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 103, 85);  
box-shadow:4px 4px 4px 4px rgb(255, 103,  
85) }
```


Background

The CSS property to change the background color of an element to Yxy 31.6164, 0.5215, 0.3454 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 103, 85) }
```

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

```
.background{ background-color: rgb(255,  
103, 85) }
```

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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