

Converting Colors

$Y_{xy}(35.4706, 0.5056, 0.3930)$

Have a look what the booklet for
Yxy(35.4706, 0.5056, 0.3930)
contains.

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Color

Yxy(35.4687, 0.5056, 0.3930)

Conversions

Conversions Part 1

Format	Color
Hex	F2833F
RGB	242, 131, 63
RGB Percent	95%, 51%, 25%
CMY	0.0510, 0.4862, 0.7527
CMYK	0.00, 0.46, 0.74, 0.05
HSL	23°, 87%, 60%
HSV	23°, 74%, 95%
XYZ	45.6310, 35.4687, 9.1515
YIQ	156.4370, 87.9840, 2.3840

Conversions

Conversions Part 2

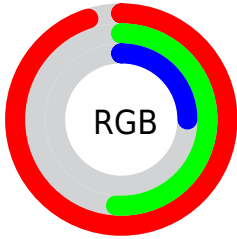
Format	Color
R_{YB}	242, 173, 63
Decimal	15893311
CIE _{Lab}	66.11, 37.58, 53.97
CIE _{LCh}	66, 65.761, 55.148
Yxy	35.4687, 0.5056, 0.3930
Android (android.graphics.Color)	4294083391 (0xFFFF2833F)
YUV	156.4370, -46.0644, 75.0388
Hunter-Lab	59.5556, 32.5428, 32.5783

Details

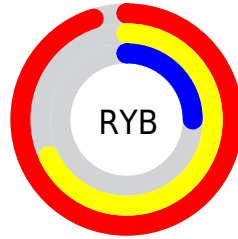
The Yxy color **35.4687, 0.5056, 0.3930** is a dark color, and the websafe version is hex **FF9966**. The color can be described as middle washed orange. A complement of this color would be **37.7558, 0.2070, 0.2352**, and the grayscale version is **33.6357, 0.3127, 0.3290**.

A 20% lighter version of the original color is **57.1728, 0.4324, 0.4012**, and **15.3106, 0.5556, 0.3928** is the 20% darker color. If you saturate the color by 10%, you get **31.5123, 0.5373, 0.3917**, and if you desaturate by 10%, it is **40.1318, 0.4721, 0.3896**.

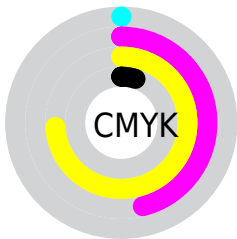
Distribution



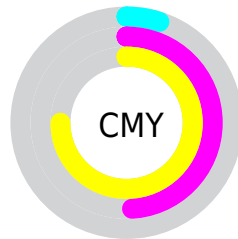
- Red (95%)
- Green (51%)
- Blue (25%)



- Red (95%)
- Yellow (68%)
- Blue (25%)



- Cyan (0%)
- Magenta (46%)
- Yellow (74%)
- Black (5%)





- Cyan (5%)
- Magenta (49%)
- Yellow (75%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 35.4687, 0.5056, 0.3930 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 35.4687, 0.5056, 0.3930 by changing the saturation by 10% instead.


 35.4687, 0.5056,
0.3930


 35.4687, 0.5056,
0.3930


326.6323, 0.4085,
0.3706

 24.0241, 0.5278,
0.3943


 68.2112, 0.4713,
0.3878

 15.3515, 0.5544,
0.3933


 90.2780, 0.4581,
0.3850

 9.0665, 0.5869,
0.3882


 116.6543, 0.4467,
0.3822

 4.7846, 0.6257,
0.3743

 147.7245, 0.4369,
0.3795

 2.1214, 0.6615,
0.3385

 183.8730, 0.4284,
0.3770

 0.6766, 0.7251,
0.2749

225.4842, 0.4209,

 0.0000, 1.0000,

0.3747

0.0000

272.9425, 0.4143,
0.3725

■ 0.0000, 0.0000,
0.0000

■ 35.4687, 0.5056,
0.3930

■ 35.4687, 0.5056,
0.3930

■ 31.5123, 0.5373,
0.3917

■ 40.1318, 0.4721,
0.3896

■ 28.2151, 0.5644,
0.3851


■ 45.5331, 0.4392,
0.3826

■ 26.5131, 0.5782,
0.3791

■ 51.7089, 0.4086,
0.3735


■ 58.6906, 0.3812,
0.3633

■ 66.5081, 0.3573,
0.3528

 75.1894, 0.3366,
0.3425

 84.7612, 0.3189,
0.3327

 95.1422, 0.3048,
0.3252

 97.6160, 0.3047,
0.3290

Harmonies

Analogous

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



35.4687, 0.4922, 0.3249



35.4687, 0.5056, 0.3930



35.4687, 0.4601, 0.4619

Triad

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



35.4687, 0.5056, 0.3930



35.4687, 0.2074, 0.4033



35.4687, 0.2246, 0.1882

Complementary

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



35.4687, 0.5056, 0.3930



37.7558, 0.2070, 0.2352

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.



35.4687, 0.1705, 0.1882



35.4687, 0.5056, 0.3930



35.4687, 0.1601, 0.2927

Square

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



35.4687, 0.5056, 0.3930



35.4687, 0.2878, 0.4975



35.4687, 0.1492, 0.2199



35.4687, 0.3121, 0.2145

Rectangle

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



35.4687, 0.5056, 0.3930



35.4687, 0.4090, 0.4996



35.4687, 0.1492, 0.2199



35.4687, 0.2028, 0.1850

Sweetspot

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



35.4706, 0.5056, 0.3930



76.6729, 0.3531, 0.3508



25.5868, 0.4002, 0.2213



15.8677, 0.3592, 0.3537



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.



35.4706, 0.5056, 0.3930



33.4325, 0.5524, 0.3888



69.4480, 0.4263, 0.4728



16.7427, 0.3284, 0.3380



14.4870, 0.5752, 0.3815



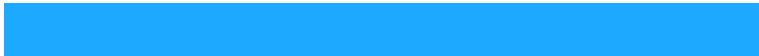
1.3912, 0.5506, 0.4010

Inverse Universe

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



37.7558, 0.2070, 0.2352



35.7736, 0.1943, 0.2126



14.2713, 0.1770, 0.1176



16.8618, 0.2980, 0.3198



15.4504, 0.1888, 0.1996



1.4765, 0.1940, 0.2185

Previews

White Background



This preview shows how the Yxy color 35.4687, 0.5056, 0.3930 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 35.4687, 0.5056, 0.3930 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 35.4687, 0.5056, 0.3930

Background



This preview shows how black text looks on a background with the Yxy color 35.4687, 0.5056, 0.3930.



This preview shows how white text looks on a background with the Yxy color 35.4687, 0.5056, 0.3930.

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

35.4687, 0.5056, 0.3930

Protanopia

35.5413, 0.4098, 0.4481

Deuteranopia

35.4954, 0.4498, 0.4408



Tritanopia

35.4247, 0.4447, 0.3199

Trichromacy



Original Color

35.4687, 0.5056, 0.3930

Protanomaly

34.7989, 0.4455, 0.4266

Deuteranomaly

35.1655, 0.4712, 0.4224

Tritanomaly

35.3957, 0.4712, 0.3491

Monochromacy



Original Color

35.4687, 0.5056, 0.3930

Achromatopsia

33.2452, 0.3127, 0.3290

Achromatomaly

32.8374, 0.3818, 0.3640

CSS Examples

Text

The CSS property to change the color of the text to Yxy 35.4687, 0.5056, 0.3930 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(242, 131, 63)` looks like.

```
.text, #text, p{  
    color:rgb(242, 131, 63)  
}
```

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(242, 131, 63) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(242, 131, 63) }
```

Border

The CSS property to change the border of an element to Yxy 35.4687, 0.5056, 0.3930 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(242, 131, 63) }
```

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

```
.border{ border-color:rgb(242, 131, 63) }
```

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

Here you see how a box with a 4 pixel rgb(242, 131, 63) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(242, 131, 63); -webkit-box-  
shadow:4px 4px 4px 4px rgb(242, 131, 63);  
box-shadow:4px 4px 4px 4px rgb(242, 131,  
63) }
```


Background

The CSS property to change the background color of an element to Yxy 35.4687, 0.5056, 0.3930 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(242, 131, 63) }
```

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

```
.background{ background-color: rgb(242,  
131, 63) }
```

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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