

Converting Colors

$Y_{xy}(35.7151, 0.5094, 0.3924)$

Have a look what the booklet for
Yxy(35.7151, 0.5094, 0.3924)
contains.

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Color

Yxy(35.7255, 0.5098, 0.3916)

Conversions

Conversions Part 1

Format	Color
Hex	F5823E
RGB	245, 130, 62
RGB Percent	96%, 51%, 24%
CMY	0.0392, 0.4902, 0.7570
CMYK	0.00, 0.47, 0.75, 0.04
HSL	22°, 90%, 60%
HSV	22°, 75%, 96%
XYZ	46.5088, 35.7255, 8.9952
YIQ	156.6330, 90.3680, 3.2320

Conversions

Conversions Part 2

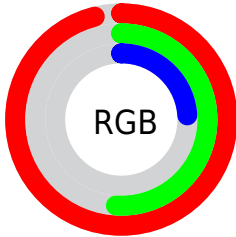
Format	Color
R_{YB}	245, 170, 62
Decimal	16089662
CIE _{Lab}	66.31, 39.22, 54.81
CIE _{LCh}	66, 67.396, 54.411
Yxy	35.7255, 0.5098, 0.3916
Android (android.graphics.Color)	4294279742 (0xFFFF5823E)
YUV	156.6330, -46.6541, 77.4979
Hunter-Lab	59.7708, 34.2954, 32.9167

Details

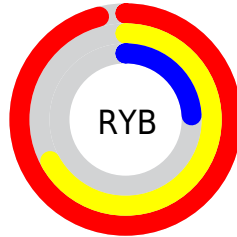
The Yxy color **35.7255, 0.5098, 0.3916** is a dark color, and the websafe version is hex **CC6633**. The color can be described as middle washed orange. A complement of this color would be **39.0425, 0.2067, 0.2361**, and the grayscale version is **33.7258, 0.3127, 0.3290**.

A 20% lighter version of the original color is **56.7332, 0.4339, 0.4011**, and **15.4070, 0.5590, 0.3906** is the 20% darker color. If you saturate the color by 10%, you get **31.7233, 0.5416, 0.3897**, and if you desaturate by 10%, it is **40.4652, 0.4759, 0.3887**.

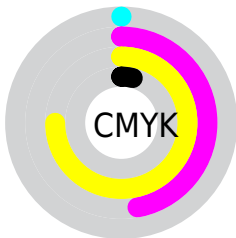
Distribution



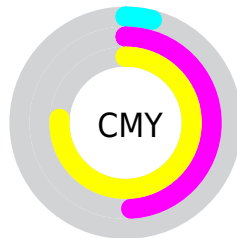
- Red (96%)
- Green (51%)
- Blue (24%)



- Red (96%)
- Yellow (67%)
- Blue (24%)



- Cyan (0%)
- Magenta (47%)
- Yellow (75%)
- Black (4%)





- Cyan (4%)
- Magenta (49%)
- Yellow (76%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 35.7255, 0.5098, 0.3916 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 35.7255, 0.5098, 0.3916 by changing the saturation by 10% instead.


 35.7255, 0.5098,
0.3916


 35.7255, 0.5098,
0.3916


327.7592, 0.4108,
0.3704


 24.2223, 0.5323,
0.3925


 68.6082, 0.4750,
0.3870


 15.4986, 0.5592,
0.3908


 90.7564, 0.4615,
0.3843


 9.1700, 0.5921,
0.3850


 117.2218, 0.4499,
0.3817

 4.8523, 0.6303,
0.3697

 148.3886, 0.4399,
0.3791

 2.1608, 0.6668,
0.3332

 184.6414, 0.4312,
0.3767

 0.6985, 0.7298,
0.2702

226.3645, 0.4236,

 0.0000, 1.0000,

0.3744

0.0000

273.9423, 0.4168,
0.3723

■ 0.0000, 0.0000,
0.0000

■ 35.7255, 0.5098,
0.3916

■ 35.7255, 0.5098,
0.3916

■ 31.7233, 0.5416,
0.3897

■ 40.4652, 0.4759,
0.3887

■ 28.4079, 0.5685,
0.3826


■ 45.9766, 0.4425,
0.3822

■ 26.9096, 0.5805,
0.3773

■ 52.2978, 0.4114,
0.3734


■ 59.4628, 0.3835,
0.3634

■ 67.5031, 0.3592,
0.3531

 76.4485, 0.3382,
0.3430

 86.3276, 0.3202,
0.3333

 96.9750, 0.3066,
0.3272

 98.1534, 0.3066,
0.3290

Harmonies

Analogous

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



35.7255, 0.4949, 0.3227



35.7255, 0.5098, 0.3916



35.7255, 0.4641, 0.4621

Triad

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



35.7255, 0.5098, 0.3916



35.7255, 0.2068, 0.4079



35.7255, 0.2211, 0.1854

Complementary

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



35.7255, 0.5098, 0.3916



39.0425, 0.2067, 0.2361

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.



35.7255, 0.1672, 0.1860



35.7255, 0.5098, 0.3916



35.7255, 0.1580, 0.2940

Square

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



35.7255, 0.5098, 0.3916



35.7255, 0.2891, 0.5033



35.7255, 0.1464, 0.2189



35.7255, 0.3094, 0.2116

Rectangle

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



35.7255, 0.5098, 0.3916



35.7255, 0.4123, 0.5017



35.7255, 0.1464, 0.2189



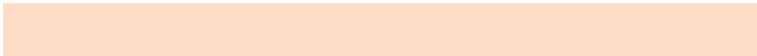
35.7255, 0.1992, 0.1825

Sweetspot

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



35.7274, 0.5098, 0.3916



76.4370, 0.3532, 0.3504



26.0637, 0.4015, 0.2208



15.8124, 0.3593, 0.3531



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.



35.7274, 0.5098, 0.3916



32.6615, 0.5571, 0.3864



71.2619, 0.4272, 0.4736



17.4916, 0.3284, 0.3379



14.7390, 0.5776, 0.3796



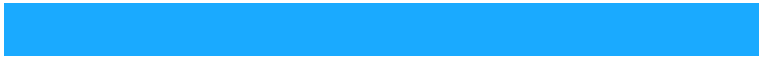
1.4855, 0.5540, 0.3983

Inverse Universe

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



39.0425, 0.2067, 0.2361



36.0636, 0.1943, 0.2138



14.3292, 0.1758, 0.1154



17.6618, 0.2980, 0.3200



16.2620, 0.1895, 0.2023



1.6258, 0.1944, 0.2200

Previews

White Background



This preview shows how the Yxy color 35.7255, 0.5098, 0.3916 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 35.7255, 0.5098, 0.3916 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 35.7255, 0.5098, 0.3916

Background



This preview shows how black text looks on a background with the Yxy color 35.7255, 0.5098, 0.3916.



This preview shows how white text looks on a background with the Yxy color 35.7255, 0.5098, 0.3916.

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

35.7255, 0.5098, 0.3916

Protanopia

35.9989, 0.4107, 0.4497

Deuteranopia

35.9436, 0.4509, 0.4428



Tritanopia

35.5142, 0.4484, 0.3200

Trichromacy



Original Color

35.7255, 0.5098, 0.3916

Protanomaly

35.0674, 0.4482, 0.4265

Deuteranomaly

35.4617, 0.4738, 0.4221

Tritanomaly

35.4820, 0.4748, 0.3488

Monochromacy



Original Color

35.7255, 0.5098, 0.3916

Achromatopsia

33.7164, 0.3127, 0.3290

Achromatomaly

33.0914, 0.3840, 0.3637

CSS Examples

Text

The CSS property to change the color of the text to Yxy 35.7255, 0.5098, 0.3916 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(245, 130, 62)` looks like.

```
.text, #text, p{  
    color:rgb(245, 130, 62)  
}
```

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(245, 130, 62) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(245, 130, 62) }
```

Border

The CSS property to change the border of an element to Yxy 35.7255, 0.5098, 0.3916 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(245, 130, 62) }
```

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

```
.border{ border-color:rgb(245, 130, 62) }
```

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

Here you see how a box with a 4 pixel rgb(245, 130, 62) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(245, 130, 62); -webkit-box-  
shadow:4px 4px 4px 4px rgb(245, 130, 62);  
box-shadow:4px 4px 4px 4px rgb(245, 130,  
62) }
```


Background

The CSS property to change the background color of an element to Yxy 35.7255, 0.5098, 0.3916 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(245, 130, 62) }
```

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

```
.background{ background-color: rgb(245,  
130, 62) }
```

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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