

Converting Colors

$Y_{xy}(31.7026, 0.5155, 0.3938)$

Have a look what the booklet for
Yxy(31.7026, 0.5155, 0.3938)
contains.

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Color

Yxy(31.6685, 0.5160, 0.3934)

Conversions

Conversions Part 1

Format	Color
Hex	EA7A35
RGB	234, 122, 53
RGB Percent	92%, 48%, 21%
CMY	0.0823, 0.5216, 0.7921
CMYK	0.00, 0.48, 0.77, 0.08
HSL	23°, 81%, 56%
HSV	23°, 77%, 92%
XYZ	41.5377, 31.6685, 7.2933
YIQ	147.6220, 88.9010, 2.2850

Conversions

Conversions Part 2

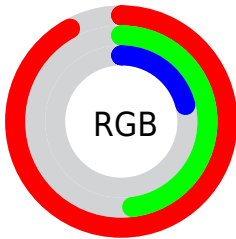
Format	Color
R _Y B	234, 165, 53
Decimal	15366709
CIE Lab	63.07, 38.63, 55.10
CIE LCh	63, 67.290, 54.969
Yxy	31.6685, 0.5160, 0.3934
Android (android.graphics.Color)	4293556789 (0xFFEA7A35)
YUV	147.6220, -46.6486, 75.7535
Hunter-Lab	56.2748, 33.2742, 31.7083

Details

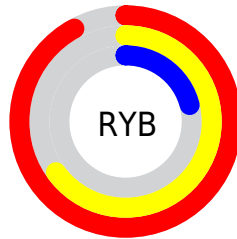
The Yxy color **31.6685, 0.5160, 0.3934** is a dark color, and the websafe version is hex **CC6600**. The color can be described as middle washed orange. A complement of this color would be **33.6214, 0.2038, 0.2300**, and the grayscale version is **29.6200, 0.3127, 0.3290**.

A 20% lighter version of the original color is **53.3101, 0.4461, 0.4013**, and **13.2771, 0.5652, 0.3895** is the 20% darker color. If you saturate the color by 10%, you get **28.2094, 0.5464, 0.3904**, and if you desaturate by 10%, it is **35.7661, 0.4829, 0.3914**.

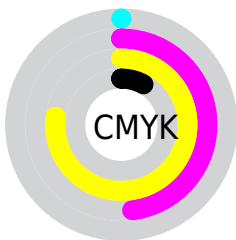
Distribution



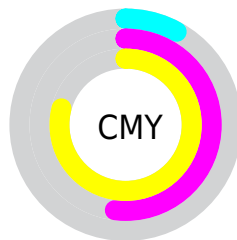
- Red (92%)
- Green (48%)
- Blue (21%)



- Red (92%)
- Yellow (65%)
- Blue (21%)



- Cyan (0%)
- Magenta (48%)
- Yellow (77%)
- Black (8%)





- Cyan (8%)
- Magenta (52%)
- Yellow (79%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 31.6685, 0.5160, 0.3934 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 31.6685, 0.5160, 0.3934 by changing the saturation by 10% instead.


 31.6685, 0.5160,
0.3934


 31.6685, 0.5160,
0.3934


309.6064, 0.4125,
0.3717

 21.1084, 0.5397,
0.3938


 62.2910, 0.4794,
0.3890

 13.2033, 0.5678,
0.3910


 83.1223, 0.4652,
0.3862

 7.5687, 0.6070,
0.3861


 108.1461, 0.4531,
0.3834

 3.8202, 0.6385,
0.3615

 137.7467, 0.4426,
0.3808

 1.5735, 0.6803,
0.3197

 172.3087, 0.4336,
0.3782

 0.3396, 0.7979,
0.2021

 212.2164, 0.4257,

 0.0000, 1.0000,

0.3759

0.0000

257.8541, 0.4187,
0.3737

■ 0.0000, 0.0000,
0.0000

■ 31.6685, 0.5160,
0.3934

■ 31.6685, 0.5160,
0.3934

■ 28.2094, 0.5464,
0.3904

■ 35.7661, 0.4829,
0.3914

■ 25.3425, 0.5714,
0.3822


■ 40.5325, 0.4497,
0.3854

■ 24.6704, 0.5775,
0.3797


■ 46.0016, 0.4183,
0.3769


■ 52.2031, 0.3899,
0.3669

■ 59.1648, 0.3649,
0.3564

 66.9131, 0.3432,
0.3460

 75.4726, 0.3246,
0.3360

 84.8672, 0.3087,
0.3266

 94.5512, 0.2999,
0.3263

Harmonies

Analogous

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



31.6685, 0.5028, 0.3228



31.6685, 0.5160, 0.3934



31.6685, 0.4668, 0.4665

Triad

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



31.6685, 0.5160, 0.3934



31.6685, 0.2014, 0.4088



31.6685, 0.2193, 0.1815

Complementary

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



31.6685, 0.5160, 0.3934



33.6214, 0.2038, 0.2300

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.



31.6685, 0.1635, 0.1813



31.6685, 0.5160, 0.3934



31.6685, 0.1526, 0.2901

Square

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



31.6685, 0.5160, 0.3934



31.6685, 0.2856, 0.5100



31.6685, 0.1417, 0.2138



31.6685, 0.3110, 0.2087

Rectangle

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



31.6685, 0.5160, 0.3934



31.6685, 0.4127, 0.5081



31.6685, 0.1417, 0.2138



31.6685, 0.1967, 0.1782

Sweetspot

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



31.6702, 0.5160, 0.3934



75.7692, 0.3553, 0.3519



22.8566, 0.4056, 0.2194



15.5057, 0.3635, 0.3557



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.



31.6702, 0.5160, 0.3934



32.0769, 0.5624, 0.3860



63.7866, 0.4297, 0.4759



15.9950, 0.3283, 0.3380



14.0860, 0.5747, 0.3819



1.2867, 0.5488, 0.4024

Inverse Universe

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



33.6214, 0.2038, 0.2300



34.1206, 0.1916, 0.2064



12.0274, 0.1723, 0.1092



16.1016, 0.2981, 0.3198



14.9377, 0.1887, 0.1993



1.3577, 0.1942, 0.2192

Previews

White Background



This preview shows how the Yxy color 31.6685, 0.5160, 0.3934 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 31.6685, 0.5160, 0.3934 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 31.6685, 0.5160, 0.3934

Background



This preview shows how black text looks on a background with the Yxy color 31.6685, 0.5160, 0.3934.



This preview shows how white text looks on a background with the Yxy color 31.6685, 0.5160, 0.3934.

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

31.6685, 0.5160, 0.3934

Protanopia

31.7882, 0.4150, 0.4541

Deuteranopia

31.6545, 0.4557, 0.4458



Tritanopia

31.6961, 0.4516, 0.3207

Trichromacy



Original Color

31.6685, 0.5160, 0.3934

Protanomaly

31.1311, 0.4527, 0.4308

Deuteranomaly

31.3785, 0.4779, 0.4257

Tritanomaly

31.6716, 0.4791, 0.3506

Monochromacy



Original Color

31.6685, 0.5160, 0.3934

Achromatopsia

29.6138, 0.3127, 0.3290

Achromatomaly

29.2412, 0.3866, 0.3669

CSS Examples

Text

The CSS property to change the color of the text to Yxy 31.6685, 0.5160, 0.3934 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(234, 122, 53)` looks like.

```
.text, #text, p{  
    color:rgb(234, 122, 53)  
}
```

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(234, 122, 53) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(234, 122, 53) }
```

Border

The CSS property to change the border of an element to Yxy 31.6685, 0.5160, 0.3934 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(234, 122, 53) }
```

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

```
.border{ border-color:rgb(234, 122, 53) }
```

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

Here you see how a box with a 4 pixel `rgb(234, 122, 53)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(234, 122, 53); -webkit-box-  
shadow:4px 4px 4px 4px rgb(234, 122, 53);  
box-shadow:4px 4px 4px 4px rgb(234, 122,  
53) }
```


Background

The CSS property to change the background color of an element to Yxy 31.6685, 0.5160, 0.3934 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(234, 122, 53) }
```

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

```
.background{ background-color: rgb(234,  
122, 53) }
```

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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