

Converting Colors

Yxy(31.3864, 0.5341, 0.4057)

Have a look what the booklet for
Yxy(31.3864, 0.5341, 0.4057)
contains.

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Color

Yxy(31.3948, 0.5337, 0.4062)

Conversions

Conversions Part 1

Format	Color
Hex	EB7916
RGB	235, 121, 22
RGB Percent	92%, 47%, 9%
CMY	0.0783, 0.5255, 0.9137
CMYK	0.00, 0.49, 0.91, 0.08
HSL	28°, 84%, 50%
HSV	28°, 91%, 92%
XYZ	41.2492, 31.3948, 4.6451
YIQ	143.8000, 99.7230, -6.6210

Conversions

Conversions Part 2

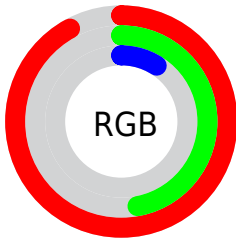
Format	Color
R _Y B	235, 207, 22
Decimal	15431958
CIE Lab	62.84, 38.73, 66.05
CIE LCh	63, 76.565, 59.613
Yxy	31.3948, 0.5337, 0.4062
Android (android.graphics.Color)	4293622038 (0xFFEB7916)
YUV	143.8000, -60.0474, 79.9824
Hunter-Lab	56.0311, 33.3544, 34.3065

Details

The Yxy color **31.3948, 0.5337, 0.4062** is a dark color, and the websafe version is hex **CC6600**. The color can be described as dark washed orange. A complement of this color would be **23.7909, 0.1859, 0.1832**, and the grayscale version is **28.0219, 0.3127, 0.3290**.

A 20% lighter version of the original color is **52.4991, 0.4635, 0.4194**, and **13.1510, 0.5668, 0.3882** is the 20% darker color. If you saturate the color by 10%, you get **28.6477, 0.5534, 0.3988**, and if you desaturate by 10%, it is **34.7917, 0.5086, 0.4094**.

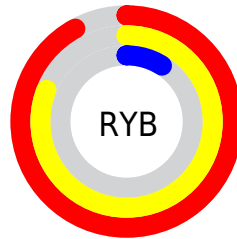
Distribution



Red (92%)

Green (47%)

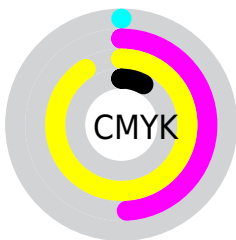
Blue (9%)



Red (92%)

Yellow (81%)

Blue (9%)

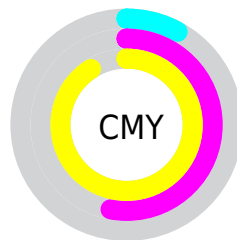


Cyan (0%)

Magenta (49%)

Yellow (91%)

Black (8%)



Cyan (8%)


Magenta (53%)


Yellow (91%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 31.3948, 0.5337, 0.4062 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 31.3948, 0.5337, 0.4062 by changing the saturation by 10% instead.

 31.3948, 0.5337,
0.4062


 31.3948, 0.5337,
0.4062


308.3531, 0.4249,
0.3826


 20.8997, 0.5564,
0.4051


 61.8611, 0.4967,
0.4026


 13.0507, 0.5829,
0.4004

 82.6011, 0.4819,
0.3997


 7.4635, 0.6120,
0.3880

 107.5248, 0.4691,
0.3966

 3.7536, 0.6396,
0.3604

 137.0166, 0.4578,
0.3935

 1.5367, 0.6820,
0.3180

 171.4609, 0.4480,
0.3905

 0.3144, 0.8067,
0.1933

 211.2422, 0.4394,


 0.0000, 1.0000,


0.3877

0.0000


 256.7448, 0.4317,
0.3851

 0.0000, 0.0000,
0.0000


 31.3948, 0.5337,
0.4062


 31.3948, 0.5337,
0.4062


 28.6477, 0.5534,
0.3988

 34.7917, 0.5086,
0.4094

 38.7012, 0.4803,
0.4072

 43.1532, 0.4509,
0.4005


 48.1732, 0.4221,
0.3907

 53.7843, 0.3952,
0.3790

 60.0082, 0.3708,
0.3664

 66.8650, 0.3491,
0.3537

 74.3740, 0.3302,
0.3414

 82.5536, 0.3137,
0.3297

Harmonies

Analogous

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



31.3948, 0.5356, 0.3295



31.3948, 0.5337, 0.4062



31.3948, 0.4668, 0.4889

Triad

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



31.3948, 0.5337, 0.4062



31.3948, 0.1755, 0.3971



31.3948, 0.2210, 0.1694

Complementary

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



31.3948, 0.5337, 0.4062



23.7909, 0.1859, 0.1832

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.



31.3948, 0.1550, 0.1638



31.3948, 0.5337, 0.4062



31.3948, 0.1311, 0.2653

Square

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



31.3948, 0.5337, 0.4062



31.3948, 0.2623, 0.5277



31.3948, 0.1263, 0.1911



31.3948, 0.3285, 0.2029

Rectangle

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



31.3948, 0.5337, 0.4062



31.3948, 0.4029, 0.5367



31.3948, 0.1263, 0.1911



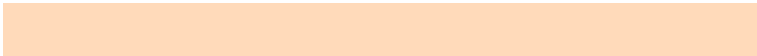
31.3948, 0.1943, 0.1643

Sweetspot

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



31.3965, 0.5337, 0.4062



75.0281, 0.3629, 0.3619



20.1094, 0.4580, 0.2348



15.4715, 0.3706, 0.3663



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.



31.3965, 0.5337, 0.4062



34.3325, 0.5541, 0.3982



71.2361, 0.4257, 0.4958



16.2078, 0.3281, 0.3400



16.1903, 0.5508, 0.4008



1.4621, 0.5280, 0.4190

Inverse Universe

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



23.7909, 0.1859, 0.1832



24.9724, 0.1796, 0.1666



7.2392, 0.1551, 0.0708



15.8845, 0.2981, 0.3178



11.8733, 0.1806, 0.1700



1.1246, 0.1872, 0.1937

Previews

White Background



This preview shows how the Yxy color 31.3948, 0.5337, 0.4062 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 31.3948, 0.5337, 0.4062 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 31.3948, 0.5337, 0.4062

Background



This preview shows how black text looks on a background with the Yxy color 31.3948, 0.5337, 0.4062.



This preview shows how white text looks on a background with the Yxy color 31.3948, 0.5337, 0.4062.

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

31.3948, 0.5337, 0.4062

Protanopia

31.6521, 0.4328, 0.4781

Deuteranopia

31.5883, 0.4716, 0.4638



Tritanopia

31.5170, 0.4586, 0.3219

Trichromacy



Original Color

31.3948, 0.5337, 0.4062

Protanomaly

30.7357, 0.4720, 0.4500

Deuteranomaly

31.0357, 0.4960, 0.4416

Tritanomaly

31.3080, 0.4979, 0.3616

Monochromacy



Original Color

31.3948, 0.5337, 0.4062

Achromatopsia

27.8894, 0.3127, 0.3290

Achromatomaly

27.8755, 0.4004, 0.3818

CSS Examples

Text

The CSS property to change the color of the text to Yxy 31.3948, 0.5337, 0.4062 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(235, 121, 22)` looks like.

```
.text, #text, p{  
    color:rgb(235, 121, 22)  
}
```

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(235, 121, 22) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(235, 121, 22) }
```

Border

The CSS property to change the border of an element to Yxy 31.3948, 0.5337, 0.4062 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(235, 121, 22) }
```

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

```
.border{ border-color:rgb(235, 121, 22) }
```

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

Here you see how a box with a 4 pixel `rgb(235, 121, 22)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(235, 121, 22); -webkit-box-  
shadow:4px 4px 4px 4px rgb(235, 121, 22);  
box-shadow:4px 4px 4px 4px rgb(235, 121,  
22) }
```


Background

The CSS property to change the background color of an element to Yxy 31.3948, 0.5337, 0.4062 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(235, 121, 22) }
```

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

```
.background{ background-color: rgb(235,  
121, 22) }
```

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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