

Converting Colors

$Y_{xy}(31.2684, 0.5247, 0.4138)$

Have a look what the booklet for
Yxy(31.2684, 0.5247, 0.4138)
contains.

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Color

Yxy(31.3794, 0.5246, 0.4138)

Conversions

Conversions Part 1

Format	Color
Hex	E57D15
RGB	229, 125, 21
RGB Percent	90%, 49%, 8%
CMY	0.1020, 0.5098, 0.9175
CMYK	0.00, 0.45, 0.91, 0.10
HSL	30°, 83%, 49%
HSV	30°, 91%, 90%
XYZ	39.7816, 31.3794, 4.6713
YIQ	144.2400, 95.3680, -10.2960

Conversions

Conversions Part 2

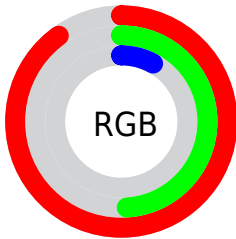
Format	Color
R _{YB}	229, 229, 21
Decimal	15039765
CIE Lab	62.83, 34.24, 65.89
CIE LCh	63, 74.259, 62.541
Yxy	31.3794, 0.5246, 0.4138
Android (android.graphics.Color)	4293229845 (0xFFE57D15)
YUV	144.2400, -60.7573, 74.3345
Hunter-Lab	56.0173, 28.7344, 34.2679

Details

The Yxy color **31.3794, 0.5246, 0.4138** 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 **20.4910, 0.1828, 0.1719**, and the grayscale version is **28.2160, 0.3127, 0.3290**.

A 20% lighter version of the original color is **54.0794, 0.4601, 0.4231**, and **13.1130, 0.5561, 0.3966** is the 20% darker color. If you saturate the color by 10%, you get **28.8023, 0.5427, 0.4073**, and if you desaturate by 10%, it is **34.5768, 0.5012, 0.4162**.

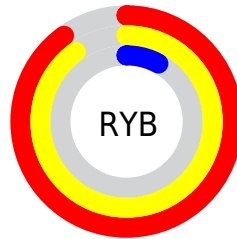
Distribution



Red (90%)

Green (49%)

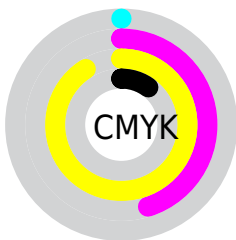
Blue (8%)



Red (90%)

Yellow (90%)

Blue (8%)

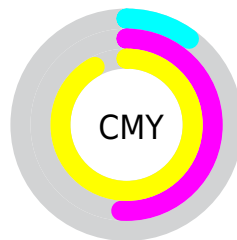


Cyan (0%)

Magenta (45%)

Yellow (91%)

Black (10%)



Cyan (10%)

Magenta (51%)

Yellow (92%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 31.3794, 0.5246, 0.4138 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 31.3794, 0.5246, 0.4138 by changing the saturation by 10% instead.


 31.3794, 0.5246,
0.4138


 31.3794, 0.5246,
0.4138


308.2824, 0.4204,
0.3853


 20.8879, 0.5462,
0.4141


 61.8369, 0.4893,
0.4082


 13.0421, 0.5714,
0.4111


 82.5717, 0.4751,
0.4046

 7.4575, 0.5990,
0.4010


 107.4898, 0.4628,
0.4010

 3.7499, 0.6243,
0.3757

 136.9755, 0.4520,
0.3974

 1.5346, 0.6636,
0.3364

 171.4132, 0.4426,
0.3941

 0.3129, 0.7887,
0.2113

 211.1873, 0.4343,

 0.0000, 1.0000,

0.3909

0.0000

 256.6823, 0.4270,
0.3880


 0.0000, 0.0000,
0.0000


 31.3794, 0.5246,
0.4138

 31.3794, 0.5246,
0.4138


 28.8023, 0.5427,
0.4073

 34.5768, 0.5012,
0.4162

 38.2124, 0.4748,
0.4133

 42.3118, 0.4471,
0.4059

 46.8964, 0.4198,
0.3953

 51.9855, 0.3939,
0.3827

■ 57.5974, 0.3703,
0.3693

■ 63.7489, 0.3491,
0.3557

■ 70.4561, 0.3303,
0.3425

■ 77.7343, 0.3140,
0.3300

Harmonies

Analogous

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



31.3794, 0.5330, 0.3376



31.3794, 0.5246, 0.4138



31.3794, 0.4558, 0.4938

Triad

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



31.3794, 0.5246, 0.4138



31.3794, 0.1730, 0.3811



31.3794, 0.2320, 0.1748

Complementary

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



31.3794, 0.5246, 0.4138



20.4910, 0.1828, 0.1719

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.



31.3794, 0.1630, 0.1667



31.3794, 0.5246, 0.4138



31.3794, 0.1332, 0.2581

Square

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



31.3794, 0.5246, 0.4138



31.3794, 0.2548, 0.5119



31.3794, 0.1315, 0.1903



31.3794, 0.3403, 0.2103

Rectangle

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



31.3794, 0.5246, 0.4138



31.3794, 0.3923, 0.5367



31.3794, 0.1315, 0.1903



31.3794, 0.2044, 0.1689

Sweetspot

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



31.3811, 0.5246, 0.4138



76.2986, 0.3622, 0.3643



18.7665, 0.4707, 0.2420



15.7696, 0.3698, 0.3690



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.



31.3811, 0.5246, 0.4138



36.5652, 0.5436, 0.4066



70.8492, 0.4203, 0.5003



15.5525, 0.3280, 0.3408



16.7093, 0.5404, 0.4092



1.4205, 0.5180, 0.4269

Inverse Universe

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



20.4910, 0.1828, 0.1719



22.5313, 0.1763, 0.1545



6.4911, 0.1543, 0.0677



15.0720, 0.2981, 0.3169



10.4223, 0.1773, 0.1582



0.9560, 0.1846, 0.1846

Previews

White Background



This preview shows how the Yxy color 31.3794, 0.5246, 0.4138 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 31.3794, 0.5246, 0.4138 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 31.3794, 0.5246, 0.4138

Background



This preview shows how black text looks on a background with the Yxy color 31.3794, 0.5246, 0.4138.



This preview shows how white text looks on a background with the Yxy color 31.3794, 0.5246, 0.4138.

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

31.3794, 0.5246, 0.4138

Protanopia

31.6418, 0.4335, 0.4792

Deuteranopia

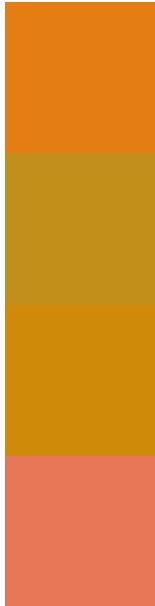
31.5883, 0.4716, 0.4638



Tritanopia

31.2951, 0.4444, 0.3194

Trichromacy



Original Color

31.3794, 0.5246, 0.4138

Protanomaly

31.0570, 0.4682, 0.4544

Deuteranomaly

31.3163, 0.4916, 0.4451

Tritanomaly

31.0376, 0.4868, 0.3632

Monochromacy



Original Color

31.3794, 0.5246, 0.4138

Achromatopsia

27.8894, 0.3127, 0.3290

Achromatomaly

27.9061, 0.3986, 0.3852

CSS Examples

Text

The CSS property to change the color of the text to Yxy 31.3794, 0.5246, 0.4138 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(229, 125, 21)` looks like.

```
.text, #text, p{  
    color:rgb(229, 125, 21)  
}
```

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(229, 125, 21) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(229, 125, 21) }
```

Border

The CSS property to change the border of an element to Yxy 31.3794, 0.5246, 0.4138 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(229, 125, 21) }
```

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

```
.border{ border-color:rgb(229, 125, 21) }
```

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

Here you see how a box with a 4 pixel `rgb(229, 125, 21)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(229, 125, 21); -webkit-box-  
shadow:4px 4px 4px 4px rgb(229, 125, 21);  
box-shadow:4px 4px 4px 4px rgb(229, 125,  
21) }
```


Background

The CSS property to change the background color of an element to Yxy 31.3794, 0.5246, 0.4138 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(229, 125, 21) }
```

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

```
.background{ background-color: rgb(229,  
125, 21) }
```

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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