

Converting Colors

Yxy(31.4412, 0.5337, 0.4023)

Have a look what the booklet for
Yxy(31.4412, 0.5337, 0.4023)
contains.

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Color

Yxy(31.5262, 0.5338, 0.4020)

Conversions

Conversions Part 1

Format	Color
Hex	ED781D
RGB	237, 120, 29
RGB Percent	93%, 47%, 11%
CMY	0.0706, 0.5294, 0.8866
CMYK	0.00, 0.49, 0.88, 0.07
HSL	26°, 85%, 52%
HSV	26°, 88%, 93%
XYZ	41.8624, 31.5262, 5.0348
YIQ	144.6090, 98.9430, -3.4970

Conversions

Conversions Part 2

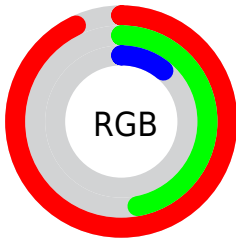
Format	Color
R _Y B	237, 191, 29
Decimal	15562781
CIE Lab	62.95, 40.12, 64.33
CIE LCh	63, 75.820, 58.050
Yxy	31.5262, 0.5338, 0.4020
Android (android.graphics.Color)	4293752861 (0xFFED781D)
YUV	144.6090, -56.9952, 81.0269
Hunter-Lab	56.1482, 34.8249, 33.9872

Details

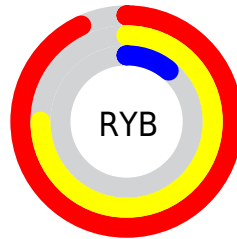
The Yxy color **31.5262, 0.5338, 0.4020** is a dark color, and the websafe version is hex **CC6600**. The color can be described as dark washed orange. A complement of this color would be **26.8996, 0.1903, 0.1965**, and the grayscale version is **28.3512, 0.3127, 0.3290**.

A 20% lighter version of the original color is **52.1722, 0.4618, 0.4155**, and **13.2549, 0.5699, 0.3857** is the 20% darker color. If you saturate the color by 10%, you get **28.4658, 0.5567, 0.3944**, and if you desaturate by 10%, it is **35.1244, 0.5062, 0.4042**.

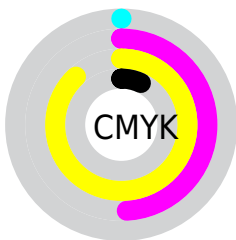
Distribution



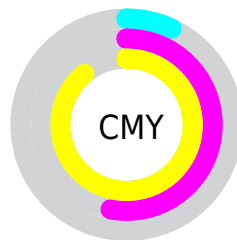
- Red (93%)
- Green (47%)
- Blue (11%)



- Red (93%)
- Yellow (75%)
- Blue (11%)



- Cyan (0%)
- Magenta (49%)
- Yellow (88%)
- Black (7%)




- Cyan (7%)
- Magenta (53%)
- Yellow (89%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 31.5262, 0.5338, 0.4020 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 31.5262, 0.5338, 0.4020 by changing the saturation by 10% instead.


 31.5262, 0.5338,
0.4020


 31.5262, 0.5338,
0.4020


308.9552, 0.4243,
0.3800

 20.9999, 0.5570,
0.4008


 62.0676, 0.4963,
0.3987

 13.1239, 0.5838,
0.3957


 82.8514, 0.4814,
0.3960


 7.5139, 0.6157,
0.3843


 107.8232, 0.4685,
0.3932

 3.7855, 0.6438,
0.3562

 137.3673, 0.4572,
0.3903

 1.5543, 0.6869,
0.3131

 171.8682, 0.4474,
0.3875

 0.3265, 0.8080,
0.1920

 211.7102, 0.4387,

 0.0000, 1.0000,

0.3848

0.0000

257.2778, 0.4311,
0.3824

■ 0.0000, 0.0000,
0.0000

■ 31.5262, 0.5338,
0.4020

■ 31.5262, 0.5338,
0.4020

■ 28.4658, 0.5567,
0.3944

■ 35.1244, 0.5062,
0.4042

■ 27.8567, 0.5614,
0.3924

■ 39.2916, 0.4760,
0.4012

■ 44.0599, 0.4454,
0.3941

■ 49.4567, 0.4161,
0.3843

■ 55.5075, 0.3891,
0.3729

62.2358, 0.3649,
0.3609

69.6641, 0.3437,
0.3490

77.8134, 0.3253,
0.3375

86.7040, 0.3094,
0.3267

Harmonies

Analogous

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



31.5262, 0.5311, 0.3261



31.5262, 0.5338, 0.4020



31.5262, 0.4703, 0.4838

Triad

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



31.5262, 0.5338, 0.4020



31.5262, 0.1804, 0.4041



31.5262, 0.2174, 0.1696

Complementary

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



31.5262, 0.5338, 0.4020



26.8996, 0.1903, 0.1965

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.



31.5262, 0.1539, 0.1657



31.5262, 0.5338, 0.4020



31.5262, 0.1339, 0.2717

Square

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



31.5262, 0.5338, 0.4020



31.5262, 0.2684, 0.5294



31.5262, 0.1272, 0.1949



31.5262, 0.3221, 0.2016

Rectangle

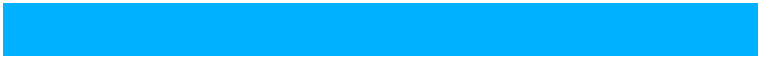
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



31.5262, 0.5338, 0.4020



31.5262, 0.4079, 0.5318



31.5262, 0.1272, 0.1949



31.5262, 0.1917, 0.1651

Sweetspot

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



31.5279, 0.5338, 0.4020



74.9221, 0.3611, 0.3589



20.9796, 0.4461, 0.2305



15.4148, 0.3690, 0.3631



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.



31.5279, 0.5338, 0.4020



32.7690, 0.5621, 0.3919



70.9356, 0.4272, 0.4922



16.1391, 0.3282, 0.3394



15.4600, 0.5586, 0.3947



1.4025, 0.5346, 0.4137

Inverse Universe

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



26.8996, 0.1903, 0.1965



26.9732, 0.1822, 0.1760



8.0859, 0.1577, 0.0766



15.9540, 0.2981, 0.3184



12.7989, 0.1831, 0.1793



1.1960, 0.1894, 0.2019

Previews

White Background



This preview shows how the Yxy color 31.5262, 0.5338, 0.4020 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 31.5262, 0.5338, 0.4020 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 31.5262, 0.5338, 0.4020

Background



This preview shows how black text looks on a background with the Yxy color 31.5262, 0.5338, 0.4020.



This preview shows how white text looks on a background with the Yxy color 31.5262, 0.5338, 0.4020.

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

31.5262, 0.5338, 0.4020

Protanopia

31.6867, 0.4304, 0.4745

Deuteranopia

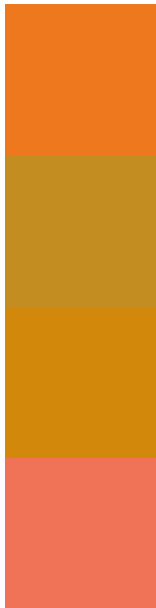
31.5883, 0.4716, 0.4638



Tritanopia

31.6452, 0.4611, 0.3210

Trichromacy



Original Color

31.5262, 0.5338, 0.4020

Protanomaly

30.9010, 0.4705, 0.4463

Deuteranomaly

31.1878, 0.4964, 0.4403

Tritanomaly

31.4749, 0.4973, 0.3575

Monochromacy



Original Color

31.5262, 0.5338, 0.4020

Achromatopsia

28.3149, 0.3127, 0.3290

Achromatomaly

28.0526, 0.3983, 0.3773

CSS Examples

Text

The CSS property to change the color of the text to Yxy 31.5262, 0.5338, 0.4020 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(237, 120, 29)` looks like.

```
.text, #text, p{  
    color:rgb(237, 120, 29)  
}
```

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(237, 120, 29) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(237, 120, 29) }
```

Border

The CSS property to change the border of an element to Yxy 31.5262, 0.5338, 0.4020 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(237, 120, 29) }
```

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

```
.border{ border-color:rgb(237, 120, 29) }
```

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

Here you see how a box with a 4 pixel `rgb(237, 120, 29)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(237, 120, 29); -webkit-box-  
shadow:4px 4px 4px 4px rgb(237, 120, 29);  
box-shadow:4px 4px 4px 4px rgb(237, 120,  
29) }
```


Background

The CSS property to change the background color of an element to Yxy 31.5262, 0.5338, 0.4020 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(237, 120, 29) }
```

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

```
.background{ background-color: rgb(237,  
120, 29) }
```

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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