

# Converting Colors

Yxy(31.9964, 0.5268, 0.4075)

Have a look what the booklet for  
Yxy(31.9964, 0.5268, 0.4075)  
contains.

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# **Color**

**Yxy(31.9964, 0.5268, 0.4075)**

# Conversions

## Conversions Part 1

Format	Color
Hex	EA7C1D
RGB	234, 124, 29
RGB Percent	92%, 49%, 11%
CMY	0.0823, 0.5137, 0.8862
CMYK	0.00, 0.47, 0.88, 0.08
HSL	28°, 83%, 52%
HSV	28°, 88%, 92%
XYZ	41.3637, 31.9964, 5.1587
YIQ	146.0600, 96.0550, -6.2250

# Conversions

## Conversions Part 2

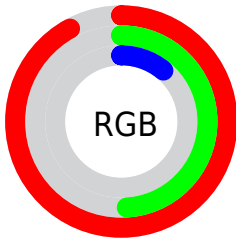
Format	Color
R <sub>Y</sub> B	234, 206, 29
Decimal	15367197
CIE Lab	63.34, 36.92, 64.42
CIE LCh	63, 74.254, 60.182
Yxy	31.9964, 0.5268, 0.4075
Android (android.graphics.Color)	4293557277 (0xFFEA7C1D)
YUV	146.0600, -57.7106, 77.1234
Hunter-Lab	56.5654, 31.5396, 34.1886

# Details

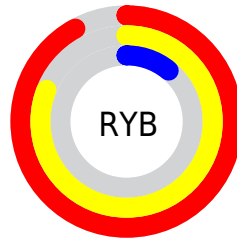
The Yxy color **31.9964, 0.5268, 0.4075** is a dark color, and the websafe version is hex **CC6600**. The color can be described as dark washed orange. A complement of this color would be **24.6737, 0.1883, 0.1889**, and the grayscale version is **28.9836, 0.3127, 0.3290**.

A 20% lighter version of the original color is **53.7567, 0.4578, 0.4186**, and **13.4230, 0.5611, 0.3927** is the 20% darker color. If you saturate the color by 10%, you get **28.9720, 0.5488, 0.4005**, and if you desaturate by 10%, it is **35.5116, 0.5004, 0.4090**.

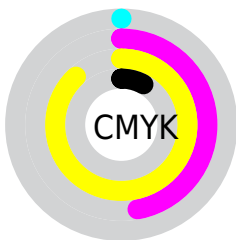
# Distribution



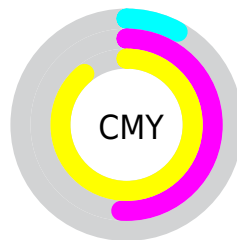
- Red (92%)
- Green (49%)
- Blue (11%)



- Red (92%)
- Yellow (81%)
- Blue (11%)



- Cyan (0%)
- Magenta (47%)
- Yellow (88%)
- Black (8%)



- Cyan (8%)
- Magenta (51%)
- Yellow (89%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 31.9964, 0.5268, 0.4075 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 31.9964, 0.5268, 0.4075 by changing the saturation by 10% instead.




 31.9964, 0.5268,  
0.4075

 31.9964, 0.5268,  
0.4075


311.1029, 0.4211,  
0.3820


 21.3587, 0.5491,  
0.4074


 62.8054, 0.4907,  
0.4028


 13.3865, 0.5748,  
0.4035


 83.7456, 0.4763,  
0.3996


 7.6952, 0.6057,  
0.3943


 108.8888, 0.4638,  
0.3963

 3.9006, 0.6319,  
0.3681

 138.6193, 0.4529,  
0.3931

 1.6181, 0.6721,  
0.3279

 173.3216, 0.4434,  
0.3901

 0.3697, 0.7816,  
0.2184

 213.3800, 0.4351,

 0.0000, 1.0000,

0.3872

0.0000

259.1789, 0.4277,  
0.3845

■ 0.0000, 0.0000,  
0.0000

■ 31.9964, 0.5268,  
0.4075

■ 31.9964, 0.5268,  
0.4075

■ 28.9720, 0.5488,  
0.4005

■ 35.5116, 0.5004,  
0.4090


■ 28.3104, 0.5538,  
0.3985

■ 39.5448, 0.4715,  
0.4054


■ 44.1248, 0.4421,  
0.3976


■ 49.2760, 0.4138,  
0.3871

■ 55.0211, 0.3875,  
0.3751

 61.3810, 0.3640,  
0.3624

 68.3755, 0.3431,  
0.3498

 76.0235, 0.3249,  
0.3377

 84.3428, 0.3091,  
0.3263

# Harmonies

## Analogous

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



31.9964, 0.5289, 0.3321



31.9964, 0.5268, 0.4075



31.9964, 0.4621, 0.4872

# Triad

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



31.9964, 0.5268, 0.4075



31.9964, 0.1788, 0.3921



31.9964, 0.2255, 0.1739

# Complementary

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



31.9964, 0.5268, 0.4075



24.6737, 0.1883, 0.1889

# 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.



31.9964, 0.1600, 0.1680



31.9964, 0.5268, 0.4075



31.9964, 0.1357, 0.2663

# Square

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



31.9964, 0.5268, 0.4075



31.9964, 0.2630, 0.5176



31.9964, 0.1313, 0.1945



31.9964, 0.3306, 0.2073



# Rectangle

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



31.9964, 0.5268, 0.4075



31.9964, 0.4000, 0.5316



31.9964, 0.1313, 0.1945



31.9964, 0.1992, 0.1688

# Sweetspot

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



31.9981, 0.5268, 0.4075



75.8041, 0.3607, 0.3605



20.3191, 0.4515, 0.2338



15.6225, 0.3684, 0.3650



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.



31.9981, 0.5268, 0.4075



34.2541, 0.5545, 0.3979



70.7650, 0.4244, 0.4944



16.2044, 0.3281, 0.3399



16.1537, 0.5512, 0.4005



1.4592, 0.5283, 0.4187



# Inverse Universe

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



24.6737, 0.1883, 0.1889



25.0665, 0.1797, 0.1670



7.6707, 0.1574, 0.0750



15.8878, 0.2981, 0.3178



11.9169, 0.1807, 0.1704



1.1280, 0.1873, 0.1941



# Previews

## White Background



This preview shows how the Yxy color 31.9964, 0.5268, 0.4075 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 31.9964, 0.5268, 0.4075 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 31.9964, 0.5268, 0.4075**

## **Background**



This preview shows how black text looks on a background with the Yxy color 31.9964, 0.5268, 0.4075.



This preview shows how white text looks on a background with the Yxy color 31.9964, 0.5268, 0.4075.

# 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

31.9964, 0.5268, 0.4075

### Protanopia

32.1290, 0.4304, 0.4748

### Deuteranopia

32.1796, 0.4707, 0.4613



## Tritanopia

32.1232, 0.4507, 0.3207

# Trichromacy



**Original Color**

31.9964, 0.5268, 0.4075

**Protanomaly**

31.3625, 0.4671, 0.4491

**Deuteranomaly**

31.7697, 0.4927, 0.4413

**Tritanomaly**

31.9194, 0.4891, 0.3604

# Monochromacy



**Original Color**

31.9964, 0.5268, 0.4075

**Achromatopsia**

28.7441, 0.3127, 0.3290

**Achromatomaly**

28.6212, 0.3970, 0.3801

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 31.9964, 0.5268, 0.4075 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, 124, 29)` looks like.

```
.text, #text, p{  
    color:rgb(234, 124, 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(234, 124, 29) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(234, 124, 29) }
```

## Border

The CSS property to change the border of an element to Yxy 31.9964, 0.5268, 0.4075 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, 124, 29) }
```

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

```
.border{ border-color:rgb(234, 124, 29) }
```

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

Here you see how a box with a 4 pixel `rgb(234, 124, 29)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(234, 124, 29); -webkit-box-  
shadow:4px 4px 4px 4px rgb(234, 124, 29);  
box-shadow:4px 4px 4px 4px rgb(234, 124,  
29) }
```



# Background

The CSS property to change the background color of an element to Yxy 31.9964, 0.5268, 0.4075 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(234, 124, 29) }
```

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

```
.background{ background-color: rgb(234,  
124, 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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