

Converting Colors

$Y_{xy}(31.7876, 0.5271, 0.4110)$

Have a look what the booklet for
Yxy(31.7876, 0.5271, 0.4110)
contains.

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Color

Yxy(31.6330, 0.5275, 0.4106)

Conversions

Conversions Part 1

Format	Color
Hex	E87C17
RGB	232, 124, 23
RGB Percent	91%, 49%, 9%
CMY	0.0902, 0.5137, 0.9102
CMYK	0.00, 0.47, 0.90, 0.09
HSL	29°, 82%, 50%
HSV	29°, 90%, 91%
XYZ	40.6391, 31.6330, 4.7688
YIQ	144.7780, 96.7890, -8.5150

Conversions

Conversions Part 2

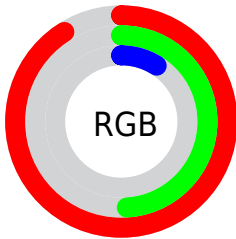
Format	Color
R _Y B	232, 218, 23
Decimal	15236119
CIE Lab	63.04, 36.00, 65.77
CIE LCh	63, 74.980, 61.309
Yxy	31.6330, 0.5275, 0.4106
Android (android.graphics.Color)	4293426199 (0xFFE87C17)
YUV	144.7780, -60.0366, 76.4937
Hunter-Lab	56.2432, 30.5513, 34.3431

Details

The Yxy color **31.6330, 0.5275, 0.4106** 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 **22.2072, 0.1847, 0.1782**, and the grayscale version is **28.4365, 0.3127, 0.3290**.

A 20% lighter version of the original color is **53.6949, 0.4603, 0.4215**, and **13.2001, 0.5595, 0.3940** is the 20% darker color. If you saturate the color by 10%, you get **28.7847, 0.5477, 0.4033**, and if you desaturate by 10%, it is **34.9592, 0.5031, 0.4131**.

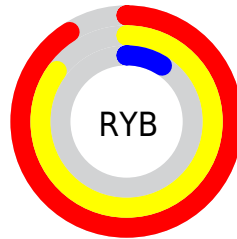
Distribution



Red (91%)

Green (49%)

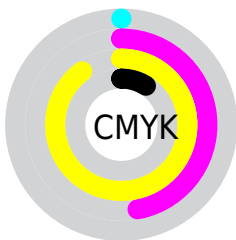
Blue (9%)



Red (91%)

Yellow (85%)

Blue (9%)

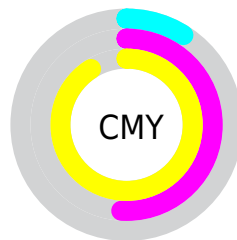


Cyan (0%)

Magenta (47%)

Yellow (90%)

Black (9%)



Cyan (9%)


Magenta (51%)

Yellow (91%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 31.6330, 0.5275, 0.4106 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 31.6330, 0.5275, 0.4106 by changing the saturation by 10% instead.


 31.6330, 0.5275,
0.4106

 31.6330, 0.5275,
0.4106


309.4440, 0.4218,
0.3840

 21.0813, 0.5495,
0.4105


 62.2353, 0.4916,
0.4057


 13.1835, 0.5750,
0.4068


 83.0547, 0.4772,
0.4024


 7.5550, 0.6037,
0.3963


 108.0655, 0.4647,
0.3990

 3.8116, 0.6297,
0.3703

 137.6521, 0.4539,
0.3956

 1.5687, 0.6699,
0.3301

 172.1989, 0.4443,
0.3924


 0.3364, 0.7881,
0.2119


 212.0902, 0.4359,


 0.0000, 1.0000,


0.3894

0.0000


 257.7104, 0.4285,
0.3866


 0.0000, 0.0000,
0.0000


 31.6330, 0.5275,
0.4106


 31.6330, 0.5275,
0.4106


 28.7847, 0.5477,
0.4033

 34.9592, 0.5031,
0.4131

 38.7598, 0.4756,
0.4102

 43.0621, 0.4471,
0.4029

 47.8891, 0.4192,
0.3925

 53.2619, 0.3930,
0.3802

■ 59.2001, 0.3692,
0.3672

■ 65.7220, 0.3479,
0.3540

■ 72.8451, 0.3292,
0.3412

■ 80.5861, 0.3129,
0.3292

Harmonies

Analogous

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



31.6330, 0.5330, 0.3344



31.6330, 0.5275, 0.4106



31.6330, 0.4600, 0.4913

Triad

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



31.6330, 0.5275, 0.4106



31.6330, 0.1747, 0.3874



31.6330, 0.2278, 0.1732

Complementary

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



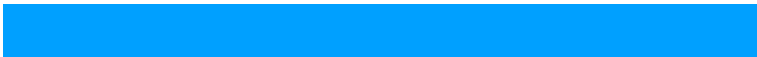
31.6330, 0.5275, 0.4106



22.2072, 0.1847, 0.1782

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.



31.6330, 0.1603, 0.1661



31.6330, 0.5275, 0.4106



31.6330, 0.1331, 0.2615

Square

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



31.6330, 0.5275, 0.4106



31.6330, 0.2583, 0.5173



31.6330, 0.1300, 0.1912



31.6330, 0.3353, 0.2077

Rectangle

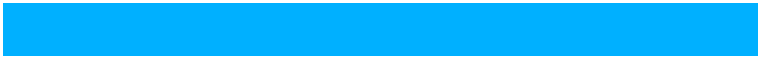
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



31.6330, 0.5275, 0.4106



31.6330, 0.3966, 0.5358



31.6330, 0.1300, 0.1912



31.6330, 0.2007, 0.1676

Sweetspot

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



31.6347, 0.5275, 0.4106



75.7067, 0.3625, 0.3632



19.4005, 0.4693, 0.2417



15.6307, 0.3702, 0.3677



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.



31.6347, 0.5275, 0.4106



35.5035, 0.5485, 0.4027



72.9840, 0.4201, 0.5000



15.5125, 0.3280, 0.3404



16.2308, 0.5451, 0.4053



1.3847, 0.5220, 0.4237

Inverse Universe

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



22.2072, 0.1847, 0.1782



23.6379, 0.1778, 0.1601



6.7627, 0.1546, 0.0684



15.1121, 0.2981, 0.3173



10.9202, 0.1788, 0.1637



0.9928, 0.1860, 0.1895

Previews

White Background



This preview shows how the Yxy color 31.6330, 0.5275, 0.4106 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 31.6330, 0.5275, 0.4106 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 31.6330, 0.5275, 0.4106

Background



This preview shows how black text looks on a background with the Yxy color 31.6330, 0.5275, 0.4106.



This preview shows how white text looks on a background with the Yxy color 31.6330, 0.5275, 0.4106.

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

31.6330, 0.5275, 0.4106

Protanopia

31.6521, 0.4328, 0.4781

Deuteranopia

31.5883, 0.4716, 0.4638



Tritanopia

31.5496, 0.4493, 0.3196

Trichromacy



Original Color

31.6330, 0.5275, 0.4106

Protanomaly

30.8992, 0.4698, 0.4517

Deuteranomaly

31.1743, 0.4938, 0.4434

Tritanomaly

31.3072, 0.4904, 0.3616

Monochromacy



Original Color

31.6330, 0.5275, 0.4106

Achromatopsia

28.3149, 0.3127, 0.3290

Achromatomaly

28.1780, 0.3987, 0.3818

CSS Examples

Text

The CSS property to change the color of the text to Yxy 31.6330, 0.5275, 0.4106 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(232, 124, 23)` looks like.

```
.text, #text, p{  
    color:rgb(232, 124, 23)  
}
```

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(232, 124, 23) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(232, 124, 23) }
```

Border

The CSS property to change the border of an element to Yxy 31.6330, 0.5275, 0.4106 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(232, 124, 23) }
```

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

```
.border{ border-color:rgb(232, 124, 23) }
```

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

Here you see how a box with a 4 pixel rgb(232, 124, 23) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(232, 124, 23); -webkit-box-  
shadow:4px 4px 4px 4px rgb(232, 124, 23);  
box-shadow:4px 4px 4px 4px rgb(232, 124,  
23) }
```


Background

The CSS property to change the background color of an element to Yxy 31.6330, 0.5275, 0.4106 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(232, 124, 23) }
```

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

```
.background{ background-color: rgb(232,  
124, 23) }
```

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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