

Converting Colors

Yxy(31.2642, 0.5291, 0.4146)

Have a look what the booklet for
Yxy(31.2642, 0.5291, 0.4146)
contains.

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Color

Yxy(31.2625, 0.5291, 0.4146)

Conversions

Conversions Part 1

Format	Color
Hex	E67C0B
RGB	230, 124, 11
RGB Percent	90%, 49%, 4%
CMY	0.0981, 0.5136, 0.9572
CMYK	0.00, 0.46, 0.95, 0.10
HSL	31°, 91%, 47%
HSV	31°, 95%, 90%
XYZ	39.8963, 31.2625, 4.2452
YIQ	142.8120, 99.4490, -12.6710

Conversions

Conversions Part 2

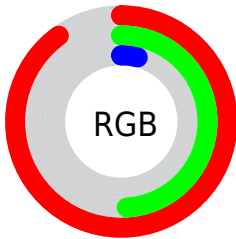
Format	Color
R _Y B	216, 230, 11
Decimal	15105035
CIE Lab	62.73, 35.02, 67.92
CIE LCh	63, 76.419, 62.723
Yxy	31.2625, 0.5291, 0.4146
Android (android.graphics.Color)	4293295115 (0xFFE67C0B)
YUV	142.8120, -64.9833, 76.4639
Hunter-Lab	55.9129, 29.5199, 34.6374

Details

The Yxy color **31.2625, 0.5291, 0.4146** 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 **18.4757, 0.1781, 0.1585**, and the grayscale version is **27.6220, 0.3127, 0.3290**.

A 20% lighter version of the original color is **53.6088, 0.4639, 0.4256**, and **12.9806, 0.5578, 0.3953** is the 20% darker color. If you saturate the color by 10%, you get **29.9520, 0.5379, 0.4111**, and if you desaturate by 10%, it is **34.3030, 0.5083, 0.4192**.

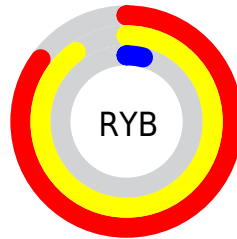
Distribution



Red (90%)

Green (49%)

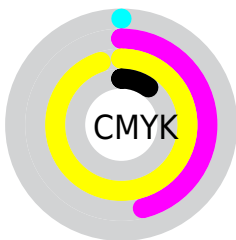
Blue (4%)



Red (85%)

Yellow (90%)

Blue (4%)

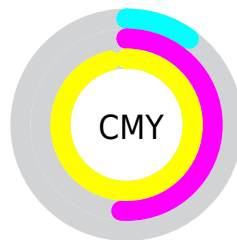


Cyan (0%)

Magenta (46%)

Yellow (95%)

Black (10%)



Cyan (10%)


Magenta (51%)


Yellow (96%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 31.2625, 0.5291, 0.4146 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 31.2625, 0.5291, 0.4146 by changing the saturation by 10% instead.

 31.2625, 0.5291,
0.4146


 31.2625, 0.5291,
0.4146

307.7458, 0.4234,
0.3869

 20.7988, 0.5506,
0.4143


 61.6531, 0.4936,
0.4096

 12.9770, 0.5763,
0.4110


 82.3488, 0.4792,
0.4061

 7.4127, 0.6015,
0.3985


 107.2240, 0.4667,
0.4026

 3.7215, 0.6273,
0.3727

 136.6631, 0.4557,
0.3990

 1.5190, 0.6674,
0.3326

 171.0504, 0.4461,
0.3957

 0.3021, 0.7961,
0.2039

 210.7704, 0.4377,

 0.0000, 1.0000,

0.3925


0.0000


 256.2074, 0.4301,
0.3896

 0.0000, 0.0000,
0.0000

 31.2625, 0.5291,
0.4146


 31.2625, 0.5291,
0.4146


 29.9520, 0.5379,
0.4111

 34.3030, 0.5083,
0.4192

 37.7549, 0.4839,
0.4182

 41.6444, 0.4573,
0.4123

 45.9933, 0.4303,
0.4025

 50.8209, 0.4043,
0.3903

■ 56.1452, 0.3800,
0.3768

■ 61.9828, 0.3579,
0.3628

■ 68.3495, 0.3383,
0.3489

■ 75.2603, 0.3209,
0.3357

Harmonies

Analogous

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



31.2625, 0.5393, 0.3371



31.2625, 0.5291, 0.4146



31.2625, 0.4575, 0.4971

Triad

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



31.2625, 0.5291, 0.4146



31.2625, 0.1688, 0.3815



31.2625, 0.2303, 0.1716

Complementary

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



31.2625, 0.5291, 0.4146



18.4757, 0.1781, 0.1585

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.



31.2625, 0.1600, 0.1630



31.2625, 0.5291, 0.4146



31.2625, 0.1290, 0.2550

Square

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



31.2625, 0.5291, 0.4146



31.2625, 0.2519, 0.5178



31.2625, 0.1278, 0.1865



31.2625, 0.3415, 0.2079

Rectangle

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



31.2625, 0.5291, 0.4146



31.2625, 0.3922, 0.5422



31.2625, 0.1278, 0.1865



31.2625, 0.2021, 0.1656

Sweetspot

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



31.2642, 0.5291, 0.4146



75.3821, 0.3663, 0.3683



18.4240, 0.4877, 0.2485



15.4638, 0.3758, 0.3743



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.



31.2642, 0.5291, 0.4146



37.6704, 0.5387, 0.4104



73.4263, 0.4186, 0.5040



15.5927, 0.3280, 0.3412



17.2066, 0.5356, 0.4129



1.4574, 0.5140, 0.4300

Inverse Universe

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



18.4757, 0.1781, 0.1585



21.4705, 0.1747, 0.1490



6.0200, 0.1517, 0.0628



15.0320, 0.2981, 0.3165



9.9442, 0.1758, 0.1528



0.9202, 0.1833, 0.1798

Previews

White Background



This preview shows how the Yxy color 31.2625, 0.5291, 0.4146 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 31.2625, 0.5291, 0.4146 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 31.2625, 0.5291, 0.4146

Background



This preview shows how black text looks on a background with the Yxy color 31.2625, 0.5291, 0.4146.



This preview shows how white text looks on a background with the Yxy color 31.2625, 0.5291, 0.4146.

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

31.2625, 0.5291, 0.4146

Protanopia

31.6110, 0.4358, 0.4825

Deuteranopia

31.1530, 0.4719, 0.4635



Tritanopia

31.1840, 0.4486, 0.3206

Trichromacy



Original Color

31.2625, 0.5291, 0.4146

Protanomaly

30.7271, 0.4719, 0.4564

Deuteranomaly

31.0219, 0.4936, 0.4449

Tritanomaly

30.8897, 0.4939, 0.3667

Monochromacy



Original Color

31.2625, 0.5291, 0.4146

Achromatopsia

27.4677, 0.3127, 0.3290

Achromatomaly

27.5485, 0.4036, 0.3895

CSS Examples

Text

The CSS property to change the color of the text to Yxy 31.2625, 0.5291, 0.4146 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(230, 124, 11)` looks like.

```
.text, #text, p{  
    color:rgb(230, 124, 11)  
}
```

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(230, 124, 11) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(230, 124, 11) }
```

Border

The CSS property to change the border of an element to Yxy 31.2625, 0.5291, 0.4146 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(230, 124, 11) }
```

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

```
.border{ border-color:rgb(230, 124, 11) }
```

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

Here you see how a box with a 4 pixel rgb(230, 124, 11) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(230, 124, 11); -webkit-box-  
shadow:4px 4px 4px 4px rgb(230, 124, 11);  
box-shadow:4px 4px 4px 4px rgb(230, 124,  
11) }
```


Background

The CSS property to change the background color of an element to Yxy 31.2625, 0.5291, 0.4146 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(230, 124, 11) }
```

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

```
.background{ background-color: rgb(230,  
124, 11) }
```

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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