

Converting Colors

$Y_{xy}(30.2012, 0.5265, 0.4130)$

Have a look what the booklet for
Yxy(30.2012, 0.5265, 0.4130)
contains.

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Color

Yxy(30.1348, 0.5267, 0.4129)

Conversions

Conversions Part 1

Format	Color
Hex	E27A13
RGB	226, 122, 19
RGB Percent	89%, 48%, 7%
CMY	0.1137, 0.5215, 0.9253
CMYK	0.00, 0.46, 0.92, 0.11
HSL	30°, 84%, 48%
HSV	30°, 92%, 89%
XYZ	38.4403, 30.1348, 4.4082
YIQ	141.3540, 95.0470, -9.9850

Conversions

Conversions Part 2

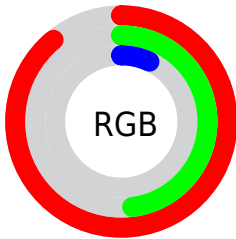
Format	Color
R _Y B	226, 224, 19
Decimal	14842387
CIE Lab	61.77, 34.54, 65.41
CIE LCh	62, 73.973, 62.163
Yxy	30.1348, 0.5267, 0.4129
Android (android.graphics.Color)	4293032467 (0xFFE27A13)
YUV	141.3540, -60.3205, 74.2345
Hunter-Lab	54.8952, 28.9279, 33.6655

Details

The Yxy color **30.1348, 0.5267, 0.4129** 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 **19.8017, 0.1825, 0.1714**, and the grayscale version is **26.9992, 0.3127, 0.3290**.

A 20% lighter version of the original color is **52.4700, 0.4647, 0.4208**, and **12.5272, 0.5571, 0.3959** is the 20% darker color. If you saturate the color by 10%, you get **27.8542, 0.5433, 0.4068**, and if you desaturate by 10%, it is **33.2076, 0.5035, 0.4158**.

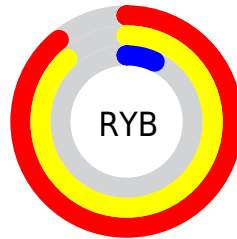
Distribution



Red (89%)

Green (48%)

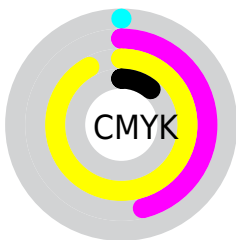
Blue (7%)



Red (89%)

Yellow (88%)

Blue (7%)

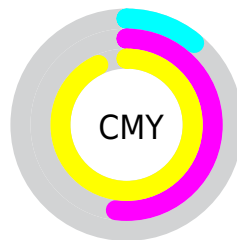


Cyan (0%)

Magenta (46%)

Yellow (92%)

Black (11%)



Cyan (11%)


Magenta (52%)


Yellow (93%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 30.1348, 0.5267, 0.4129 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 30.1348, 0.5267, 0.4129 by changing the saturation by 10% instead.


 30.1348, 0.5267,
0.4129


 30.1348, 0.5267,
0.4129


302.5323, 0.4208,
0.3849

 19.9409, 0.5488,
0.4129

 59.8753, 0.4907,
0.4076


 12.3521, 0.5750,
0.4097


 80.1907, 0.4762,
0.4041

 6.9840, 0.6022,
0.3978


 104.6487, 0.4637,
0.4005

 3.4521, 0.6287,
0.3713

 133.6338, 0.4528,
0.3970

 1.3721, 0.6704,
0.3296

 167.5303, 0.4433,
0.3936

 0.1960, 0.8419,
0.1581

 206.7226, 0.4349,

 0.0000, 0.0000,

0.3905

0.0000

251.5951, 0.4275,
0.3876

30.1348, 0.5267,
0.4129

30.1348, 0.5267,
0.4129

27.8542, 0.5433,
0.4068

33.2076, 0.5035,
0.4158

36.7060, 0.4771,
0.4133

40.6555, 0.4494,
0.4062

45.0768, 0.4219,
0.3958

49.9891, 0.3959,
0.3834

■ 55.4101, 0.3720,
0.3701

■ 61.3564, 0.3506,
0.3566

■ 67.8439, 0.3317,
0.3434

■ 74.8874, 0.3151,
0.3309

Harmonies

Analogous

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



30.1348, 0.5345, 0.3364



30.1348, 0.5267, 0.4129



30.1348, 0.4577, 0.4938

Triad

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



30.1348, 0.5267, 0.4129



30.1348, 0.1726, 0.3834



30.1348, 0.2301, 0.1735

Complementary

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



30.1348, 0.5267, 0.4129



19.8017, 0.1825, 0.1714

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.



30.1348, 0.1613, 0.1656



30.1348, 0.5267, 0.4129



30.1348, 0.1321, 0.2585

Square

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



30.1348, 0.5267, 0.4129



30.1348, 0.2553, 0.5152



30.1348, 0.1301, 0.1897



30.1348, 0.3389, 0.2088

Rectangle

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



30.1348, 0.5267, 0.4129



30.1348, 0.3938, 0.5377



30.1348, 0.1301, 0.1897



30.1348, 0.2026, 0.1677

Sweetspot

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



30.1364, 0.5267, 0.4129



76.2114, 0.3623, 0.3642



18.1405, 0.4723, 0.2423



15.7491, 0.3698, 0.3688



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.



30.1364, 0.5267, 0.4129



36.4063, 0.5443, 0.4060



68.7479, 0.4205, 0.5006



14.8215, 0.3280, 0.3407



16.1290, 0.5409, 0.4087



1.2970, 0.5172, 0.4275

Inverse Universe

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



19.8017, 0.1825, 0.1714



22.6912, 0.1765, 0.1553



6.2222, 0.1538, 0.0670



14.3757, 0.2981, 0.3170



10.1790, 0.1776, 0.1592



0.8847, 0.1853, 0.1870

Previews

White Background



This preview shows how the Yxy color 30.1348, 0.5267, 0.4129 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 30.1348, 0.5267, 0.4129 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 30.1348, 0.5267, 0.4129

Background



This preview shows how black text looks on a background with the Yxy color 30.1348, 0.5267, 0.4129.



This preview shows how white text looks on a background with the Yxy color 30.1348, 0.5267, 0.4129.

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

30.1348, 0.5267, 0.4129

Protanopia

30.3268, 0.4343, 0.4796

Deuteranopia

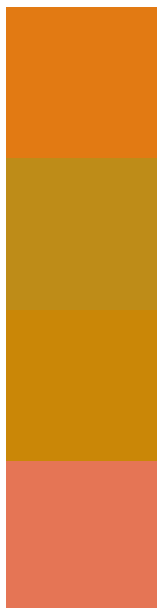
30.1648, 0.4715, 0.4639



Tritanopia

30.2628, 0.4464, 0.3204

Trichromacy



Original Color

30.1348, 0.5267, 0.4129

Protanomaly

29.7693, 0.4696, 0.4542

Deuteranomaly

29.8998, 0.4920, 0.4450

Tritanomaly

30.0365, 0.4880, 0.3636

Monochromacy



Original Color

30.1348, 0.5267, 0.4129

Achromatopsia

26.6356, 0.3127, 0.3290

Achromatomaly

26.6839, 0.3992, 0.3846

CSS Examples

Text

The CSS property to change the color of the text to Yxy 30.1348, 0.5267, 0.4129 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(226, 122, 19)` looks like.

```
.text, #text, p{  
    color:rgb(226, 122, 19)  
}
```

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(226, 122, 19) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(226, 122, 19) }
```

Border

The CSS property to change the border of an element to Yxy 30.1348, 0.5267, 0.4129 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(226, 122, 19) }
```

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

```
.border{ border-color:rgb(226, 122, 19) }
```

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

Here you see how a box with a 4 pixel `rgb(226, 122, 19)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(226, 122, 19); -webkit-box-  
shadow:4px 4px 4px 4px rgb(226, 122, 19);  
box-shadow:4px 4px 4px 4px rgb(226, 122,  
19) }
```


Background

The CSS property to change the background color of an element to Yxy 30.1348, 0.5267, 0.4129 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(226, 122, 19) }
```

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

```
.background{ background-color: rgb(226,  
122, 19) }
```

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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