

Converting Colors

$Y_{xy}(27.0633, 0.5095, 0.4252)$

Have a look what the booklet for
Yxy(27.0633, 0.5095, 0.4252)
contains.

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Color

Yxy(27.0914, 0.5100, 0.4246)

Conversions

Conversions Part 1

Format	Color
Hex	CE7A14
RGB	206, 122, 20
RGB Percent	81%, 48%, 8%
CMY	0.1921, 0.5216, 0.9218
CMYK	0.00, 0.41, 0.90, 0.19
HSL	33°, 82%, 44%
HSV	33°, 90%, 81%
XYZ	32.5403, 27.0914, 4.1728
YIQ	135.4880, 82.8060, -13.9140

Conversions

Conversions Part 2

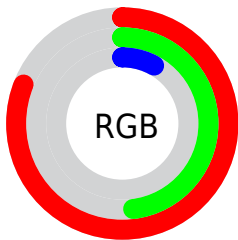
Format	Color
R_{YB}	173, 206, 20
Decimal	13531668
CIE _{Lab}	59.06, 26.25, 61.98
CIE _{LCh}	59, 67.312, 67.045
Yxy	27.0914, 0.5100, 0.4246
Android (android.graphics.Color)	4291721748 (0xFFCE7A14)
YUV	135.4880, -56.9356, 61.8390
Hunter-Lab	52.0494, 20.5084, 31.6813

Details

The Yxy color **27.0914, 0.5100, 0.4246** 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 **14.4934, 0.1795, 0.1589**, and the grayscale version is **24.6111, 0.3127, 0.3290**.

A 20% lighter version of the original color is **52.4558, 0.4653, 0.4215**, and **10.7848, 0.5369, 0.4119** is the 20% darker color. If you saturate the color by 10%, you get **24.9333, 0.5275, 0.4194**, and if you desaturate by 10%, it is **29.5939, 0.4888, 0.4254**.

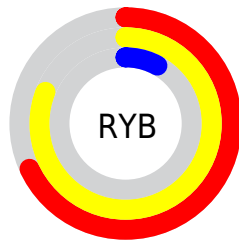
Distribution



Red (81%)

Green (48%)

Blue (8%)



Red (68%)

Yellow (81%)

Blue (8%)

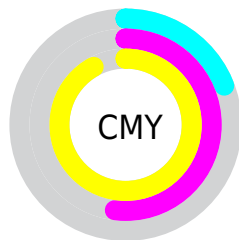


Cyan (0%)

Magenta (41%)

Yellow (90%)

Black (19%)



Cyan (19%)


Magenta (52%)


Yellow (92%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 27.0914, 0.5100, 0.4246 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 27.0914, 0.5100, 0.4246 by changing the saturation by 10% instead.


 27.0914, 0.5100,
0.4246


 27.0914, 0.5100,
0.4246


288.0994, 0.4106,
0.3875


 17.6419, 0.5311,
0.4272


 55.0305, 0.4758,
0.4155

 10.6932, 0.5571,
0.4279


 74.2889, 0.4621,
0.4106


 5.8609, 0.5817,
0.4183

 97.5856, 0.4504,
0.4059

 2.7607, 0.6058,
0.3942

 125.3052, 0.4402,
0.4016

 1.0081, 0.6461,
0.3539

 157.8320, 0.4314,
0.3976

 0.0000, 1.0000,
0.0000

 195.5503, 0.4236,

 0.0000, 0.0000,

0.3939

0.0000

238.8447, 0.4167,
0.3906

27.0914, 0.5100,
0.4246

27.0914, 0.5100,
0.4246

24.9333, 0.5275,
0.4194

29.5939, 0.4888,
0.4254

32.3943, 0.4647,
0.4209

35.5102, 0.4394,
0.4121

38.9556, 0.4142,
0.4003

42.7435, 0.3900,
0.3866

■ 46.8859, 0.3677,
0.3720

■ 51.3939, 0.3474,
0.3573

■ 56.2782, 0.3292,
0.3430

■ 61.5488, 0.3132,
0.3294

Harmonies

Analogous

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



27.0914, 0.5270, 0.3497



27.0914, 0.5100, 0.4246



27.0914, 0.4392, 0.4993

Triad

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



27.0914, 0.5100, 0.4246



27.0914, 0.1705, 0.3590



27.0914, 0.2490, 0.1838

Complementary

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



27.0914, 0.5100, 0.4246



14.4934, 0.1795, 0.1589

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.



27.0914, 0.1761, 0.1718



27.0914, 0.5100, 0.4246



27.0914, 0.1372, 0.2489

Square

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



27.0914, 0.5100, 0.4246



27.0914, 0.2445, 0.4869



27.0914, 0.1402, 0.1901



27.0914, 0.3571, 0.2221

Rectangle

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



27.0914, 0.5100, 0.4246



27.0914, 0.3765, 0.5337



27.0914, 0.1402, 0.1901



27.0914, 0.2203, 0.1767

Sweetspot

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



27.0928, 0.5100, 0.4246



78.0781, 0.3614, 0.3676



14.6775, 0.4870, 0.2522



16.1882, 0.3687, 0.3727



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.



27.0928, 0.5100, 0.4246



39.9802, 0.5291, 0.4181



56.4481, 0.4121, 0.5061



12.2166, 0.3277, 0.3417



15.5485, 0.5255, 0.4210



0.9525, 0.4993, 0.4418

Inverse Universe

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



14.4934, 0.1795, 0.1589



19.5096, 0.1718, 0.1386



5.1761, 0.1560, 0.0683



11.6642, 0.2983, 0.3160



7.7531, 0.1732, 0.1434



0.5508, 0.1837, 0.1811

Previews

White Background



This preview shows how the Yxy color 27.0914, 0.5100, 0.4246 looks on a white background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

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 27.0914, 0.5100, 0.4246 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 × Fail

If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 27.0914, 0.5100, 0.4246

Background



This preview shows how black text looks on a background with the Yxy color 27.0914, 0.5100, 0.4246.



This preview shows how white text looks on a background with the Yxy color 27.0914, 0.5100, 0.4246.

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

27.0914, 0.5100, 0.4246

Protanopia

27.2966, 0.4339, 0.4793

Deuteranopia

27.0312, 0.4716, 0.4638



Tritanopia

27.1414, 0.4248, 0.3193

Trichromacy



Original Color

27.0914, 0.5100, 0.4246

Protanomaly

26.7410, 0.4624, 0.4586

Deuteranomaly

26.7994, 0.4863, 0.4493

Tritanomaly

26.9338, 0.4684, 0.3679

Monochromacy



Original Color

27.0914, 0.5100, 0.4246

Achromatopsia

24.2281, 0.3127, 0.3290

Achromatomaly

24.3326, 0.3930, 0.3878

CSS Examples

Text

The CSS property to change the color of the text to Yxy 27.0914, 0.5100, 0.4246 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(206, 122, 20)` looks like.

```
.text, #text, p{  
    color:rgb(206, 122, 20)  
}
```

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(206, 122, 20) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(206, 122, 20) }
```

Border

The CSS property to change the border of an element to Yxy 27.0914, 0.5100, 0.4246 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(206, 122, 20) }
```

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

```
.border{ border-color:rgb(206, 122, 20) }
```

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

Here you see how a box with a 4 pixel `rgb(206, 122, 20)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(206, 122, 20); -webkit-box-  
shadow:4px 4px 4px 4px rgb(206, 122, 20);  
box-shadow:4px 4px 4px 4px rgb(206, 122,  
20) }
```


Background

The CSS property to change the background color of an element to Yxy 27.0914, 0.5100, 0.4246 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(206, 122, 20) }
```

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

```
.background{ background-color: rgb(206,  
122, 20) }
```

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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