

Converting Colors

$Y_{xy}(27.0603, 0.5066, 0.4269)$

Have a look what the booklet for
Yxy(27.0603, 0.5066, 0.4269)
contains.

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Color

Yxy(27.0538, 0.5068, 0.4270)

Conversions

Conversions Part 1

Format	Color
Hex	CC7B14
RGB	204, 123, 20
RGB Percent	80%, 48%, 8%
CMY	0.2000, 0.5176, 0.9213
CMYK	0.00, 0.40, 0.90, 0.20
HSL	34°, 82%, 44%
HSV	34°, 90%, 80%
XYZ	32.1098, 27.0538, 4.1943
YIQ	135.4770, 81.3390, -14.8610

Conversions

Conversions Part 2

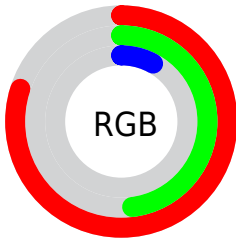
Format	Color
R_{YB}	165, 204, 20
Decimal	13400852
CIE _{Lab}	59.02, 24.85, 61.81
CIE _{LCh}	59, 66.616, 68.094
Yxy	27.0538, 0.5068, 0.4270
Android (android.graphics.Color)	4291590932 (0xFFCC7B14)
YUV	135.4770, -56.9302, 60.0947
Hunter-Lab	52.0133, 19.1716, 31.6282

Details

The Yxy color **27.0538, 0.5068, 0.4270** 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 **13.8254, 0.1788, 0.1560**, and the grayscale version is **24.6125, 0.3127, 0.3290**.

A 20% lighter version of the original color is **52.8607, 0.4638, 0.4217**, and **10.8269, 0.5338, 0.4143** is the 20% darker color. If you saturate the color by 10%, you get **24.9100, 0.5241, 0.4220**, and if you desaturate by 10%, it is **29.4927, 0.4860, 0.4274**.

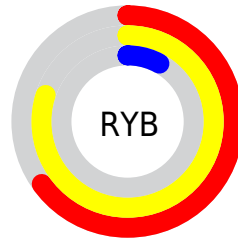
Distribution



Red (80%)

Green (48%)

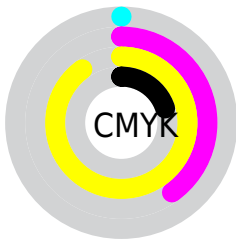
Blue (8%)



Red (65%)

Yellow (80%)

Blue (8%)

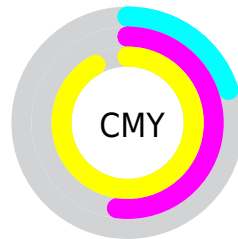


Cyan (0%)

Magenta (40%)

Yellow (90%)

Black (20%)



Cyan (20%)

Magenta (52%)

Yellow (92%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 27.0538, 0.5068, 0.4270 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 27.0538, 0.5068, 0.4270 by changing the saturation by 10% instead.


 27.0538, 0.5068,
0.4270


 27.0538, 0.5068,
0.4270

287.9175, 0.4090,
0.3882

 17.6136, 0.5275,
0.4302


 54.9702, 0.4731,
0.4172


 10.6730, 0.5530,
0.4315

 74.2152, 0.4597,
0.4120

 5.8474, 0.5771,
0.4229

 97.4973, 0.4482,
0.4072

 2.7525, 0.6002,
0.3998

 125.2008, 0.4382,
0.4027

 1.0039, 0.6391,
0.3609

 157.7102, 0.4295,
0.3986

 0.0000, 1.0000,
0.0000

 195.4099, 0.4218,

 0.0000, 0.0000,

0.3948

0.0000

238.6842, 0.4150,
0.3914

27.0538, 0.5068,
0.4270

27.0538, 0.5068,
0.4270

24.9100, 0.5241,
0.4220

29.4927, 0.4860,
0.4274

32.2134, 0.4625,
0.4226

35.2325, 0.4377,
0.4135

38.5632, 0.4129,
0.4014

42.2179, 0.3891,
0.3874

■ 46.2077, 0.3670,
0.3726

■ 50.5434, 0.3469,
0.3576

■ 55.2347, 0.3289,
0.3431

■ 60.2914, 0.3130,
0.3292

Harmonies

Analogous

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



27.0538, 0.5257, 0.3524



27.0538, 0.5068, 0.4270



27.0538, 0.4354, 0.5004

Triad

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



27.0538, 0.5068, 0.4270



27.0538, 0.1699, 0.3543



27.0538, 0.2528, 0.1858

Complementary

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



27.0538, 0.5068, 0.4270



13.8254, 0.1788, 0.1560

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.



27.0538, 0.1791, 0.1729



27.0538, 0.5068, 0.4270



27.0538, 0.1380, 0.2469

Square

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



27.0538, 0.5068, 0.4270



27.0538, 0.2422, 0.4814



27.0538, 0.1421, 0.1900



27.0538, 0.3609, 0.2247

Rectangle

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



27.0538, 0.5068, 0.4270



27.0538, 0.3729, 0.5328



27.0538, 0.1421, 0.1900



27.0538, 0.2239, 0.1784

Sweetspot

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



27.0552, 0.5068, 0.4270



78.4921, 0.3612, 0.3684



14.3147, 0.4927, 0.2556



16.2857, 0.3684, 0.3736



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.



27.0552, 0.5068, 0.4270



40.8223, 0.5258, 0.4207



54.8068, 0.4094, 0.5080



12.2377, 0.3276, 0.3420



15.8685, 0.5223, 0.4235



0.9683, 0.4969, 0.4437

Inverse Universe

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



13.8254, 0.1788, 0.1560



18.8693, 0.1709, 0.1350



5.1270, 0.1570, 0.0690



11.6433, 0.2983, 0.3157



7.5064, 0.1722, 0.1399



0.5376, 0.1828, 0.1781

Previews

White Background



This preview shows how the Yxy color 27.0538, 0.5068, 0.4270 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 27.0538, 0.5068, 0.4270 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 27.0538, 0.5068, 0.4270

Background



This preview shows how black text looks on a background with the Yxy color 27.0538, 0.5068, 0.4270.



This preview shows how white text looks on a background with the Yxy color 27.0538, 0.5068, 0.4270.

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

27.0538, 0.5068, 0.4270

Protanopia

27.2966, 0.4339, 0.4793

Deuteranopia

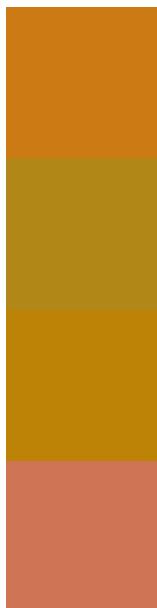
27.0312, 0.4716, 0.4638



Tritanopia

27.0200, 0.4223, 0.3180

Trichromacy



Original Color

27.0538, 0.5068, 0.4270

Protanomaly

27.0214, 0.4611, 0.4598

Deuteranomaly

27.0668, 0.4849, 0.4504

Tritanomaly

26.6599, 0.4652, 0.3672

Monochromacy



Original Color

27.0538, 0.5068, 0.4270

Achromatopsia

24.2281, 0.3127, 0.3290

Achromatomaly

24.4965, 0.3911, 0.3896

CSS Examples

Text

The CSS property to change the color of the text to Yxy 27.0538, 0.5068, 0.4270 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(204, 123, 20)` looks like.

```
.text, #text, p{  
    color:rgb(204, 123, 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(204, 123, 20) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(204, 123, 20) }
```

Border

The CSS property to change the border of an element to Yxy 27.0538, 0.5068, 0.4270 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(204, 123, 20) }
```

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

```
.border{ border-color:rgb(204, 123, 20) }
```

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

Here you see how a box with a 4 pixel `rgb(204, 123, 20)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(204, 123, 20); -webkit-box-  
shadow:4px 4px 4px 4px rgb(204, 123, 20);  
box-shadow:4px 4px 4px 4px rgb(204, 123,  
20) }
```


Background

The CSS property to change the background color of an element to Yxy 27.0538, 0.5068, 0.4270 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(204, 123, 20) }
```

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

```
.background{ background-color: rgb(204,  
123, 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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