

Converting Colors

$Y_{xy}(27.7838, 0.5007, 0.4298)$

Have a look what the booklet for
Yxy(27.7838, 0.5007, 0.4298)
contains.

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Color

Yxy(27.6801, 0.5009, 0.4300)

Conversions

Conversions Part 1

Format	Color
Hex	CB7E17
RGB	203, 126, 23
RGB Percent	80%, 49%, 9%
CMY	0.2039, 0.5059, 0.9102
CMYK	0.00, 0.38, 0.89, 0.20
HSL	34°, 80%, 44%
HSV	34°, 89%, 80%
XYZ	32.2441, 27.6801, 4.4481
YIQ	137.2810, 78.9550, -15.7090

Conversions

Conversions Part 2

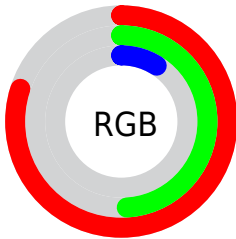
Format	Color
R_{YB}	158, 203, 23
Decimal	13336087
CIE _{Lab}	59.60, 22.86, 61.46
CIE _{LCh}	60, 65.575, 69.596
Yxy	27.6801, 0.5009, 0.4300
Android (android.graphics.Color)	4291526167 (0xFFCB7E17)
YUV	137.2810, -56.3405, 57.6356
Hunter-Lab	52.6119, 17.3260, 31.8156

Details

The Yxy color **27.6801, 0.5009, 0.4300** 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 **13.5865, 0.1790, 0.1552**, and the grayscale version is **25.3201, 0.3127, 0.3290**.

A 20% lighter version of the original color is **54.0794, 0.4601, 0.4231**, and **11.1474, 0.5267, 0.4200** is the 20% darker color. If you saturate the color by 10%, you get **25.5016, 0.5182, 0.4257**, and if you desaturate by 10%, it is **30.1127, 0.4803, 0.4293**.

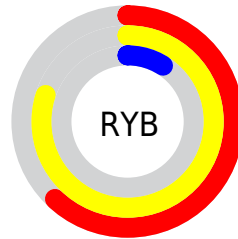
Distribution



Red (80%)

Green (49%)

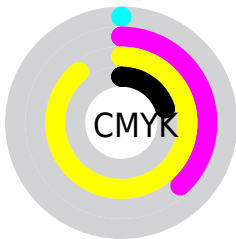
Blue (9%)



Red (62%)

Yellow (80%)

Blue (9%)

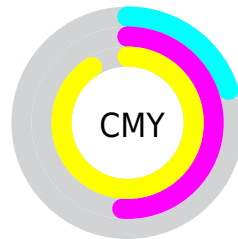


Cyan (0%)

Magenta (38%)

Yellow (89%)

Black (20%)



Cyan (20%)


Magenta (51%)


Yellow (91%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 27.6801, 0.5009, 0.4300 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 27.6801, 0.5009, 0.4300 by changing the saturation by 10% instead.


 27.6801, 0.5009,
0.4300


 27.6801, 0.5009,
0.4300


290.9351, 0.4064,
0.3890


 18.0847, 0.5209,
0.4341


 55.9733, 0.4684,
0.4191


 11.0108, 0.5449,
0.4362


 75.4398, 0.4554,
0.4137


 6.0741, 0.5694,
0.4306


 98.9655, 0.4443,
0.4086

 2.8902, 0.5905,
0.4095

 126.9348, 0.4346,
0.4039

 1.0747, 0.6258,
0.3742

 159.7320, 0.4261,
0.3996

 0.0000, 1.0000,
0.0000

 197.7415, 0.4187,

 0.0000, 0.0000,

0.3957

0.0000

241.3478, 0.4122,
0.3922

27.6801, 0.5009,
0.4300

27.6801, 0.5009,
0.4300

25.5016, 0.5182,
0.4257

30.1127, 0.4803,
0.4293

25.2381, 0.5204,
0.4250

32.8154, 0.4571,
0.4236

35.8037, 0.4328,
0.4137

39.0903, 0.4086,
0.4010

42.6866, 0.3853,
0.3865

■ 46.6033, 0.3637,
0.3713

■ 50.8504, 0.3441,
0.3561

■ 55.4372, 0.3265,
0.3413

■ 60.3728, 0.3108,
0.3273

Harmonies

Analogous

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



27.6801, 0.5220, 0.3564



27.6801, 0.5009, 0.4300



27.6801, 0.4296, 0.5007

Triad

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



27.6801, 0.5009, 0.4300



27.6801, 0.1702, 0.3477



27.6801, 0.2588, 0.1896

Complementary

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



27.6801, 0.5009, 0.4300



13.5865, 0.1790, 0.1552

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.



27.6801, 0.1843, 0.1756



27.6801, 0.5009, 0.4300



27.6801, 0.1405, 0.2450

Square

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



27.6801, 0.5009, 0.4300



27.6801, 0.2397, 0.4721



27.6801, 0.1460, 0.1911



27.6801, 0.3657, 0.2291

Rectangle

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



27.6801, 0.5009, 0.4300



27.6801, 0.3677, 0.5296



27.6801, 0.1460, 0.1911



27.6801, 0.2298, 0.1819

Sweetspot

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



27.6815, 0.5009, 0.4300



78.9686, 0.3609, 0.3692



14.2440, 0.4948, 0.2584



16.3981, 0.3681, 0.3745



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.



27.6815, 0.5009, 0.4300



41.8134, 0.5220, 0.4237



53.8509, 0.4065, 0.5091



12.2620, 0.3276, 0.3423



16.2447, 0.5186, 0.4264



0.9868, 0.4941, 0.4459

Inverse Universe

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



13.5865, 0.1790, 0.1552



18.1603, 0.1698, 0.1311



5.2761, 0.1592, 0.0713



11.6194, 0.2983, 0.3154



7.2326, 0.1711, 0.1359



0.5227, 0.1818, 0.1746

Previews

White Background



This preview shows how the Yxy color 27.6801, 0.5009, 0.4300 looks on a white background.

Color Contrast Check

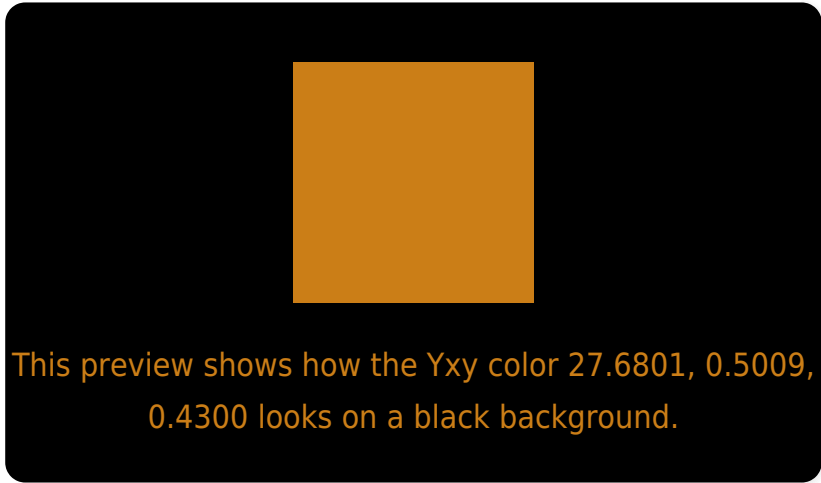
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



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 27.6801, 0.5009, 0.4300

Background



This preview shows how black text looks on a background with the Yxy color 27.6801, 0.5009, 0.4300.



This preview shows how white text looks on a background with the Yxy color 27.6801, 0.5009, 0.4300.

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

27.6801, 0.5009, 0.4300

Protanopia

27.7117, 0.4331, 0.4784

Deuteranopia

27.8655, 0.4684, 0.4610



Tritanopia

27.6388, 0.4157, 0.3179

Trichromacy



Original Color

27.6801, 0.5009, 0.4300

Protanomaly

27.3130, 0.4591, 0.4599

Deuteranomaly

27.7627, 0.4809, 0.4492

Tritanomaly

27.2760, 0.4580, 0.3677

Monochromacy



Original Color

27.6801, 0.5009, 0.4300

Achromatopsia

25.0158, 0.3127, 0.3290

Achromatomaly

25.1967, 0.3877, 0.3877

CSS Examples

Text

The CSS property to change the color of the text to Yxy 27.6801, 0.5009, 0.4300 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(203, 126, 23)` looks like.

```
.text, #text, p{  
    color:rgb(203, 126, 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(203, 126, 23) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(203, 126, 23) }
```

Border

The CSS property to change the border of an element to Yxy 27.6801, 0.5009, 0.4300 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(203, 126, 23) }
```

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

```
.border{ border-color:rgb(203, 126, 23) }
```

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

Here you see how a box with a 4 pixel `rgb(203, 126, 23)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(203, 126, 23); -webkit-box-  
shadow:4px 4px 4px 4px rgb(203, 126, 23);  
box-shadow:4px 4px 4px 4px rgb(203, 126,  
23) }
```


Background

The CSS property to change the background color of an element to Yxy 27.6801, 0.5009, 0.4300 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(203, 126, 23) }
```

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

```
.background{ background-color: rgb(203,  
126, 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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