

Converting Colors

$Y_{xy}(27.3050, 0.5007, 0.4266)$

Have a look what the booklet for
Yxy(27.3050, 0.5007, 0.4266)
contains.

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Color

Yxy(27.4476, 0.5002, 0.4267)

Conversions

Conversions Part 1

Format	Color
Hex	CB7D1C
RGB	203, 125, 28
RGB Percent	80%, 49%, 11%
CMY	0.2039, 0.5098, 0.8901
CMYK	0.00, 0.38, 0.86, 0.20
HSL	33°, 76%, 45%
HSV	33°, 86%, 80%
XYZ	32.1755, 27.4476, 4.7022
YIQ	137.2640, 77.6250, -13.6310

Conversions

Conversions Part 2

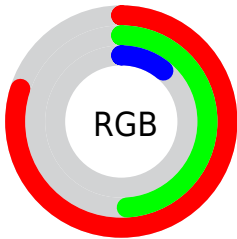
Format	Color
R_{YB}	169, 203, 28
Decimal	13335836
CIE _{Lab}	59.39, 23.53, 59.81
CIE _{LCh}	59, 64.270, 68.525
Yxy	27.4476, 0.5002, 0.4267
Android (android.graphics.Color)	4291525916 (0xFFCB7D1C)
YUV	137.2640, -53.8672, 57.6505
Hunter-Lab	52.3905, 17.9422, 31.3519

Details

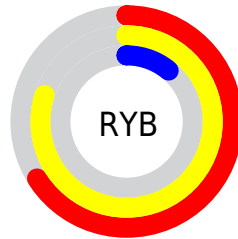
The Yxy color **27.4476, 0.5002, 0.4267** is a dark color, and the websafe version is hex **CC6600**. The color can be described as dark washed orange. A complement of this color would be **14.8778, 0.1828, 0.1657**, and the grayscale version is **25.3093, 0.3127, 0.3290**.

A 20% lighter version of the original color is **53.7253, 0.4591, 0.4200**, and **11.0085, 0.5287, 0.4184** is the 20% darker color. If you saturate the color by 10%, you get **25.1937, 0.5190, 0.4230**, and if you desaturate by 10%, it is **29.9783, 0.4779, 0.4251**.

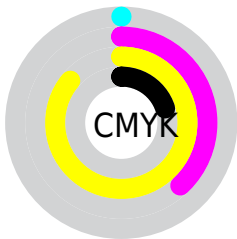
Distribution



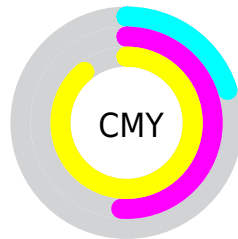
- Red (80%)
- Green (49%)
- Blue (11%)



- Red (66%)
- Yellow (80%)
- Blue (11%)



- Cyan (0%)
- Magenta (38%)
- Yellow (86%)
- Black (20%)




- Cyan (20%)
- Magenta (51%)
- Yellow (89%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 27.4476, 0.5002, 0.4267 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 27.4476, 0.5002, 0.4267 by changing the saturation by 10% instead.


 27.4476, 0.5002,
0.4267


 27.4476, 0.5002,
0.4267


289.8178, 0.4053,
0.3868

 17.9097, 0.5207,
0.4307


 55.6013, 0.4673,
0.4160

 10.8852, 0.5450,
0.4325


 74.9858, 0.4543,
0.4107


 5.9897, 0.5720,
0.4280

 98.4214, 0.4431,
0.4058

 2.8388, 0.5938,
0.4062

 126.2923, 0.4334,
0.4013

 1.0482, 0.6303,
0.3697

 158.9830, 0.4250,
0.3971

 0.0000, 1.0000,
0.0000

 196.8779, 0.4176,

 0.0000, 0.0000,

0.3934

0.0000

240.3614, 0.4111,
0.3899

27.4476, 0.5002,
0.4267

27.4476, 0.5002,
0.4267

25.1937, 0.5190,
0.4230

29.9783, 0.4779,
0.4251

24.3977, 0.5257,
0.4208

32.7987, 0.4535,
0.4186

35.9245, 0.4283,
0.4083

39.3687, 0.4036,
0.3954

43.1430, 0.3803,
0.3811

■ 47.2586, 0.3589,
0.3663

■ 51.7259, 0.3396,
0.3515

■ 56.5546, 0.3224,
0.3374

■ 61.7540, 0.3072,
0.3240

Harmonies

Analogous

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



27.4476, 0.5182, 0.3541



27.4476, 0.5002, 0.4267



27.4476, 0.4315, 0.4964

Triad

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



27.4476, 0.5002, 0.4267



27.4476, 0.1741, 0.3520



27.4476, 0.2565, 0.1904

Complementary

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



27.4476, 0.5002, 0.4267



14.8778, 0.1828, 0.1657

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.



27.4476, 0.1841, 0.1776



27.4476, 0.5002, 0.4267



27.4476, 0.1431, 0.2493

Square

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



27.4476, 0.5002, 0.4267



27.4476, 0.2442, 0.4729



27.4476, 0.1474, 0.1942



27.4476, 0.3609, 0.2288

Rectangle

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



27.4476, 0.5002, 0.4267



27.4476, 0.3709, 0.5256



27.4476, 0.1474, 0.1942



27.4476, 0.2282, 0.1832

Sweetspot

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



27.4490, 0.5002, 0.4267



79.0095, 0.3592, 0.3665



14.5874, 0.4817, 0.2538



16.3801, 0.3665, 0.3717



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.



27.4490, 0.5002, 0.4267



40.4001, 0.5275, 0.4194



54.3083, 0.4084, 0.5054



12.2272, 0.3276, 0.3418



15.7081, 0.5239, 0.4223



0.9604, 0.4980, 0.4427

Inverse Universe

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



14.8778, 0.1828, 0.1657



19.1857, 0.1713, 0.1368



5.5336, 0.1606, 0.0743



11.6537, 0.2983, 0.3158



7.6284, 0.1727, 0.1416



0.5441, 0.1832, 0.1796

Previews

White Background



This preview shows how the Yxy color 27.4476, 0.5002, 0.4267 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 27.4476, 0.5002, 0.4267 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 27.4476, 0.5002, 0.4267

Background



This preview shows how black text looks on a background with the Yxy color 27.4476, 0.5002, 0.4267.



This preview shows how white text looks on a background with the Yxy color 27.4476, 0.5002, 0.4267.

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

27.4476, 0.5002, 0.4267

Protanopia

27.6334, 0.4298, 0.4761

Deuteranopia

27.4862, 0.4664, 0.4579



Tritanopia

27.3813, 0.4175, 0.3179

Trichromacy



Original Color

27.4476, 0.5002, 0.4267

Protanomaly

27.2204, 0.4559, 0.4579

Deuteranomaly

27.3873, 0.4789, 0.4461

Tritanomaly

27.0536, 0.4577, 0.3653

Monochromacy



Original Color

27.4476, 0.5002, 0.4267

Achromatopsia

25.0158, 0.3127, 0.3290

Achromatomaly

25.2152, 0.3865, 0.3861

CSS Examples

Text

The CSS property to change the color of the text to Yxy 27.4476, 0.5002, 0.4267 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, 125, 28)` looks like.

```
.text, #text, p{  
    color:rgb(203, 125, 28)  
}
```

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, 125, 28) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(203, 125, 28) }
```

Border

The CSS property to change the border of an element to Yxy 27.4476, 0.5002, 0.4267 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, 125, 28) }
```

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

```
.border{ border-color:rgb(203, 125, 28) }
```

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

Here you see how a box with a 4 pixel rgb(203, 125, 28) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(203, 125, 28); -webkit-box-  
shadow:4px 4px 4px 4px rgb(203, 125, 28);  
box-shadow:4px 4px 4px 4px rgb(203, 125,  
28) }
```


Background

The CSS property to change the background color of an element to Yxy 27.4476, 0.5002, 0.4267 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(203, 125, 28) }
```

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

```
.background{ background-color: rgb(203,  
125, 28) }
```

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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