

Converting Colors

$Y_{xy}(27.3392, 0.5048, 0.4374)$

Have a look what the booklet for
Yxy(27.3392, 0.5048, 0.4374)
contains.

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Color

Yxy(27.3392, 0.5048, 0.4374)

Conversions

Conversions Part 1

Format	Color
Hex	C97E00
RGB	201, 126, 0
RGB Percent	79%, 49%, 0%
CMY	0.2117, 0.5059, 1.0000
CMYK	0.00, 0.37, 1.00, 0.21
HSL	38°, 100%, 39%
HSV	38°, 100%, 79%
XYZ	31.5520, 27.3392, 3.6127
YIQ	134.0610, 85.1460, -23.2860

Conversions

Conversions Part 2

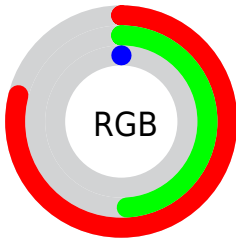
Format	Color
R _Y B	120, 201, 0
Decimal	13204992
CIE Lab	59.29, 21.69, 65.54
CIE LCh	59, 69.035, 71.687
Yxy	27.3392, 0.5048, 0.4374
Android (android.graphics.Color)	4291395072 (0xFFC97E00)
YUV	134.0610, -66.0921, 58.7055
Hunter-Lab	52.2869, 16.2118, 32.5042

Details

The Yxy color **27.3392, 0.5048, 0.4374** 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 **9.2533, 0.1660, 0.1176**, and the grayscale version is **24.0891, 0.3127, 0.3290**.

A 20% lighter version of the original color is **53.9299, 0.4663, 0.4303**, and **10.9705, 0.5244, 0.4218** is the 20% darker color. If you saturate the color by 10%, you get **27.3407, 0.5048, 0.4374**, and if you desaturate by 10%, it is **29.3827, 0.4901, 0.4407**.

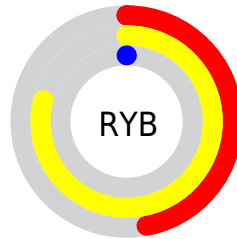
Distribution



Red (79%)

Green (49%)

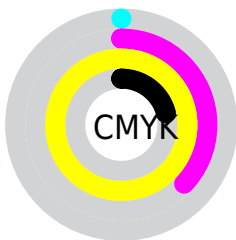
Blue (0%)



Red (47%)

Yellow (79%)

Blue (0%)

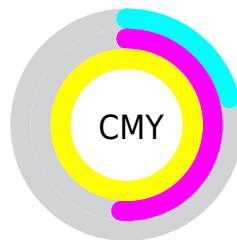


Cyan (0%)

Magenta (37%)

Yellow (100%)

Black (21%)



Cyan (21%)


Magenta (51%)


Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 27.3392, 0.5048, 0.4374 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 27.3392, 0.5048, 0.4374 by changing the saturation by 10% instead.


 27.3392, 0.5048,
0.4374


 27.3392, 0.5048,
0.4374


289.2957, 0.4099,
0.3942


 17.8281, 0.5239,
0.4411


 55.4277, 0.4729,
0.4263

 10.8267, 0.5490,
0.4447


 74.7739, 0.4599,
0.4206

 5.9504, 0.5659,
0.4341

 98.1673, 0.4486,
0.4152

 2.8149, 0.5864,
0.4136

 125.9923, 0.4388,
0.4102

 1.0359, 0.6210,
0.3790

 158.6332, 0.4302,
0.4056


 0.0000, 1.0000,
0.0000


 196.4745, 0.4226,


 0.0000, 0.0000,


0.4014

0.0000

 239.9005, 0.4159,
0.3976


 27.3392, 0.5048,
0.4374


 27.3392, 0.5048,
0.4374

 27.3407, 0.5048,
0.4374

 29.3827, 0.4901,
0.4407

 31.6245, 0.4725,
0.4394

 34.0874, 0.4522,
0.4332

 36.7839, 0.4303,
0.4227

 39.7250, 0.4079,
0.4091

■ 42.9205, 0.3860,
0.3936

■ 46.3796, 0.3652,
0.3772

■ 50.1106, 0.3460,
0.3606

■ 54.1216, 0.3285,
0.3444

Harmonies

Analogous

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



27.3392, 0.5334, 0.3606



27.3392, 0.5048, 0.4374



27.3392, 0.4265, 0.5121

Triad

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



27.3392, 0.5048, 0.4374



27.3392, 0.1598, 0.3388



27.3392, 0.2626, 0.1858

Complementary

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



27.3392, 0.5048, 0.4374



9.2533, 0.1660, 0.1176

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.



27.3392, 0.1826, 0.1692



27.3392, 0.5048, 0.4374



27.3392, 0.1326, 0.2344

Square

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



27.3392, 0.5048, 0.4374



27.3392, 0.2287, 0.4734



27.3392, 0.1409, 0.1824



27.3392, 0.3767, 0.2282

Rectangle

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



27.3392, 0.5048, 0.4374



27.3392, 0.3611, 0.5421



27.3392, 0.1409, 0.1824



27.3392, 0.2314, 0.1772

Sweetspot

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



27.3407, 0.5048, 0.4374



79.1317, 0.3660, 0.3779



12.9568, 0.5460, 0.2781



16.3854, 0.3748, 0.3850



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.



27.3407, 0.5048, 0.4374



46.3427, 0.5063, 0.4362



51.1959, 0.3988, 0.5215



11.7259, 0.3274, 0.3435



17.3678, 0.5032, 0.4386



0.9580, 0.4814, 0.4560

Inverse Universe

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



9.2533, 0.1660, 0.1176



15.4351, 0.1653, 0.1152



4.4055, 0.1539, 0.0622



10.9252, 0.2983, 0.3141



5.9793, 0.1667, 0.1202



0.4217, 0.1786, 0.1631

Previews

White Background



This preview shows how the Yxy color 27.3392, 0.5048, 0.4374 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 27.3392, 0.5048, 0.4374 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 27.3392, 0.5048, 0.4374

Background



This preview shows how black text looks on a background with the Yxy color 27.3392, 0.5048, 0.4374.



This preview shows how white text looks on a background with the Yxy color 27.3392, 0.5048, 0.4374.

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

27.3392, 0.5048, 0.4374

Protanopia

27.6624, 0.4371, 0.4845

Deuteranopia

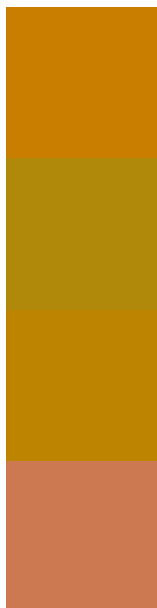
27.4321, 0.4713, 0.4640



Tritanopia

27.3507, 0.4134, 0.3178

Trichromacy



Original Color

27.3392, 0.5048, 0.4374

Protanomaly

27.1433, 0.4626, 0.4667

Deuteranomaly

27.1939, 0.4839, 0.4539

Tritanomaly

26.8495, 0.4661, 0.3785

Monochromacy



Original Color

27.3392, 0.5048, 0.4374

Achromatopsia

23.8398, 0.3127, 0.3290

Achromatomaly

24.1576, 0.3975, 0.4025

CSS Examples

Text

The CSS property to change the color of the text to Yxy 27.3392, 0.5048, 0.4374 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(201, 126, 0)` looks like.

```
.text, #text, p{  
    color:rgb(201, 126, 0)  
}
```

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(201, 126, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(201, 126, 0) }
```

Border

The CSS property to change the border of an element to Yxy 27.3392, 0.5048, 0.4374 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(201, 126, 0) }
```

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

```
.border{ border-color:rgb(201, 126, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(201, 126, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(201, 126, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(201, 126, 0);  
box-shadow:4px 4px 4px 4px rgb(201, 126,  
0) }
```


Background

The CSS property to change the background color of an element to Yxy 27.3392, 0.5048, 0.4374 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(201, 126, 0) }
```

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

```
.background{ background-color: rgb(201,  
126, 0) }
```

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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