

Converting Colors

$Y_{xy}(25.2366, 0.5065, 0.4169)$

Have a look what the booklet for
Yxy(25.2366, 0.5065, 0.4169)
contains.

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Color

Yxy(25.2444, 0.5070, 0.4168)

Conversions

Conversions Part 1

Format	Color
Hex	C97520
RGB	201, 117, 32
RGB Percent	79%, 46%, 13%
CMY	0.2118, 0.5411, 0.8748
CMYK	0.00, 0.42, 0.84, 0.21
HSL	30°, 73%, 46%
HSV	30°, 84%, 79%
XYZ	30.7076, 25.2444, 4.6152
YIQ	132.4260, 77.3490, -8.6270

Conversions

Conversions Part 2

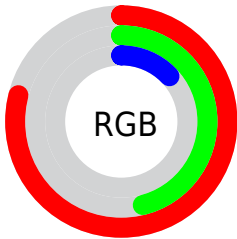
Format	Color
RYB	199, 201, 32
Decimal	13202720
CIELab	57.31, 27.08, 56.67
CIELCh	57, 62.808, 64.454
Yxy	25.2444, 0.5070, 0.4168
Android (android.graphics.Color)	4291392800 (0xFFC97520)
YUV	132.4260, -49.5100, 60.1394
Hunter-Lab	50.2438, 21.1674, 29.7245

Details

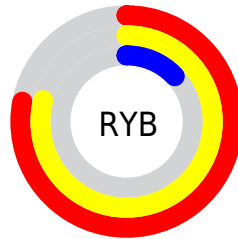
The Yxy color **25.2444, 0.5070, 0.4168** is a dark color, and the websafe version is hex **CC6600**. The color can be described as dark muted orange. A complement of this color would be **16.9926, 0.1888, 0.1847**, and the grayscale version is **23.3964, 0.3127, 0.3290**.

A 20% lighter version of the original color is **50.6653, 0.4644, 0.4110**, and **9.7970, 0.5426, 0.4073** is the 20% darker color. If you saturate the color by 10%, you get **22.9638, 0.5290, 0.4130**, and if you desaturate by 10%, it is **27.8424, 0.4816, 0.4152**.

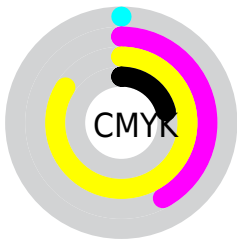
Distribution



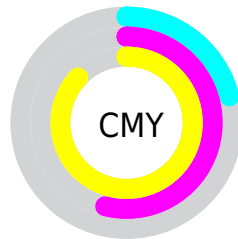
- Red (79%)
- Green (46%)
- Blue (13%)



- Red (78%)
- Yellow (79%)
- Blue (13%)



- Cyan (0%)
- Magenta (42%)
- Yellow (84%)
- Black (21%)





- Cyan (21%)
- Magenta (54%)
- Yellow (87%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 25.2444, 0.5070, 0.4168 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 25.2444, 0.5070, 0.4168 by changing the saturation by 10% instead.


 25.2444, 0.5070,
0.4168


 25.2444, 0.5070,
0.4168


279.0529, 0.4064,
0.3818


 16.2592, 0.5297,
0.4195


 52.0534, 0.4714,
0.4079

 9.7078, 0.5572,
0.4197


 70.6461, 0.4576,
0.4033


 5.2056, 0.5880,
0.4120

 93.2100, 0.4457,
0.3989

 2.3684, 0.6148,
0.3852

 120.1297, 0.4356,
0.3948

 0.8096, 0.6610,
0.3390

 151.7894, 0.4268,
0.3911

 0.0000, 1.0000,
0.0000

 188.5735, 0.4191,

 0.0000, 0.0000,

0.3877

0.0000

230.8666, 0.4124,
0.3846

■ 25.2444, 0.5070,
0.4168

■ 25.2444, 0.5070,
0.4168

■ 22.9638, 0.5290,
0.4130

■ 27.8424, 0.4816,
0.4152

■ 21.7536, 0.5406,
0.4090

■ 30.7717, 0.4544,
0.4089

■ 34.0495, 0.4272,
0.3990

■ 37.6901, 0.4012,
0.3869

■ 41.7069, 0.3771,
0.3737

■ 46.1122, 0.3554,
0.3601

■ 50.9177, 0.3360,
0.3468

■ 56.1348, 0.3191,
0.3340

■ 61.7740, 0.3042,
0.3221

Harmonies

Analogous

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



25.2444, 0.5162, 0.3445



25.2444, 0.5070, 0.4168



25.2444, 0.4431, 0.4885

Triad

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



25.2444, 0.5070, 0.4168



25.2444, 0.1808, 0.3690



25.2444, 0.2442, 0.1866

Complementary

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



25.2444, 0.5070, 0.4168



16.9926, 0.1888, 0.1847

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.



25.2444, 0.1766, 0.1774



25.2444, 0.5070, 0.4168



25.2444, 0.1445, 0.2601

Square

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



25.2444, 0.5070, 0.4168



25.2444, 0.2558, 0.4870



25.2444, 0.1443, 0.1986



25.2444, 0.3458, 0.2218

Rectangle

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



25.2444, 0.5070, 0.4168



25.2444, 0.3839, 0.5226



25.2444, 0.1443, 0.1986



25.2444, 0.2175, 0.1805

Sweetspot

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



25.2457, 0.5070, 0.4168



77.9859, 0.3579, 0.3618



14.7175, 0.4589, 0.2431



16.1068, 0.3655, 0.3666



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.



25.2457, 0.5070, 0.4168



36.7847, 0.5426, 0.4073



54.2912, 0.4150, 0.4982



11.5042, 0.3277, 0.3406



13.8621, 0.5384, 0.4107



0.8012, 0.5071, 0.4355

Inverse Universe

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



16.9926, 0.1888, 0.1847



22.3135, 0.1760, 0.1534



5.5517, 0.1598, 0.0761



11.1432, 0.2983, 0.3171



8.5465, 0.1773, 0.1582



0.5496, 0.1879, 0.1964

Previews

White Background



This preview shows how the Yxy color 25.2444, 0.5070, 0.4168 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 25.2444, 0.5070, 0.4168 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 25.2444, 0.5070, 0.4168

Background



This preview shows how black text looks on a background with the Yxy color 25.2444, 0.5070, 0.4168.



This preview shows how white text looks on a background with the Yxy color 25.2444, 0.5070, 0.4168.

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

25.2444, 0.5070, 0.4168

Protanopia

25.2791, 0.4277, 0.4713

Deuteranopia

25.2972, 0.4644, 0.4564



Tritanopia

25.2008, 0.4287, 0.3191

Trichromacy



Original Color

25.2444, 0.5070, 0.4168

Protanomaly

24.8573, 0.4582, 0.4502

Deuteranomaly

25.1912, 0.4806, 0.4414

Tritanomaly

25.0976, 0.4664, 0.3616

Monochromacy



Original Color

25.2444, 0.5070, 0.4168

Achromatopsia

23.0740, 0.3127, 0.3290

Achromatomaly

23.1914, 0.3864, 0.3796

CSS Examples

Text

The CSS property to change the color of the text to Yxy 25.2444, 0.5070, 0.4168 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, 117, 32)` looks like.

```
.text, #text, p{  
    color:rgb(201, 117, 32)  
}
```

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, 117, 32) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(201, 117, 32) }
```

Border

The CSS property to change the border of an element to Yxy 25.2444, 0.5070, 0.4168 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, 117, 32) }
```

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

```
.border{ border-color:rgb(201, 117, 32) }
```

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

Here you see how a box with a 4 pixel `rgb(201, 117, 32)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(201, 117, 32); -webkit-box-  
shadow:4px 4px 4px 4px rgb(201, 117, 32);  
box-shadow:4px 4px 4px 4px rgb(201, 117,  
32) }
```


Background

The CSS property to change the background color of an element to Yxy 25.2444, 0.5070, 0.4168 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(201, 117, 32) }
```

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

```
.background{ background-color: rgb(201,  
117, 32) }
```

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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