

Converting Colors

$Y_{xy}(18.0245, 0.5230, 0.4229)$

Have a look what the booklet for
Yxy(18.0245, 0.5230, 0.4229)
contains.

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Color

Yxy(17.9655, 0.5237, 0.4224)

Conversions

Conversions Part 1

Format	Color
Hex	B06200
RGB	176, 98, 0
RGB Percent	69%, 38%, 0%
CMY	0.3098, 0.6157, 1.0000
CMYK	0.00, 0.44, 1.00, 0.31
HSL	33°, 100%, 35%
HSV	33°, 100%, 69%
XYZ	22.2740, 17.9655, 2.2925
YIQ	110.1500, 77.9460, -13.9420

Conversions

Conversions Part 2

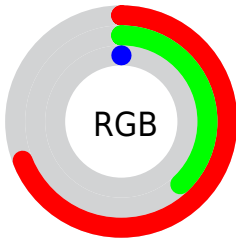
Format	Color
R_{YB}	140, 176, 0
Decimal	11559424
CIE Lab	49.45, 26.13, 57.63
CIE LCh	49, 63.275, 65.605
Yxy	17.9655, 0.5237, 0.4224
Android (android.graphics.Color)	4289749504 (0xFFB06200)
YUV	110.1500, -54.3039, 57.7505
Hunter-Lab	42.3857, 19.6279, 26.4633

Details

The Yxy color **17.9655, 0.5237, 0.4224** is a dark color, and the websafe version is hex **CC6600**. A complement of this color would be **8.5856, 0.1722, 0.1400**, and the grayscale version is **15.7812, 0.3127, 0.3290**.

A 20% lighter version of the original color is **39.8472, 0.4839, 0.4143**, and **6.0631, 0.5554, 0.3972** is the 20% darker color. If you saturate the color by 10%, you get **17.9665, 0.5237, 0.4224**, and if you desaturate by 10%, it is **19.5407, 0.5054, 0.4267**.

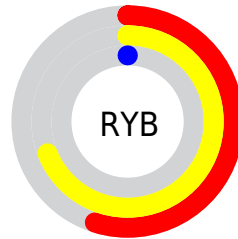
Distribution



Red (69%)

Green (38%)

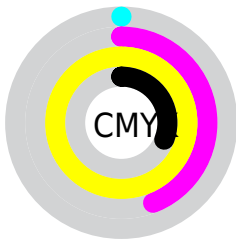
Blue (0%)



Red (55%)

Yellow (69%)

Blue (0%)

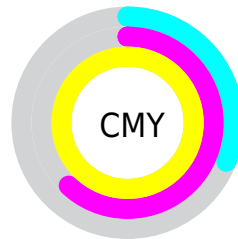


Cyan (0%)

Magenta (44%)

Yellow (100%)

Black (31%)



Cyan (31%)


Magenta (62%)


Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 17.9655, 0.5237, 0.4224 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 17.9655, 0.5237, 0.4224 by changing the saturation by 10% instead.


 17.9655, 0.5237,
0.4224


 17.9655, 0.5237,
0.4224

240.6765, 0.4112,
0.3857


 10.9252, 0.5489,
0.4230


 39.9785, 0.4838,
0.4144


 6.0166, 0.5805,
0.4195

 55.7201, 0.4682,
0.4095

 2.8552, 0.6042,
0.3958

 75.1308, 0.4549,
0.4047

 1.0566, 0.6434,
0.3566

 98.5952, 0.4435,
0.4002


 0.0000, 1.0000,
0.0000


 126.4975, 0.4337,
0.3961


 0.0000, 0.0000,
0.0000

 159.2223, 0.4252,

0.3923


 197.1538, 0.4177,
0.3888


 17.9655, 0.5237,
0.4224


 17.9655, 0.5237,
0.4224


 17.9665, 0.5237,
0.4224

 19.5407, 0.5054,
0.4267

 21.2988, 0.4844,
0.4266

 23.2594, 0.4608,
0.4215

 25.4330, 0.4361,
0.4123

 27.8288, 0.4115,
0.4002

■ 30.4555, 0.3880,
0.3863

■ 33.3209, 0.3661,
0.3717

■ 36.4324, 0.3463,
0.3569

■ 39.7970, 0.3285,
0.3426

Harmonies

Analogous

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



17.9655, 0.5410, 0.3444



17.9655, 0.5237, 0.4224



17.9655, 0.4484, 0.5042

Triad

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



17.9655, 0.5237, 0.4224



17.9655, 0.1636, 0.3672



17.9655, 0.2396, 0.1744

Complementary

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



17.9655, 0.5237, 0.4224



8.5856, 0.1722, 0.1400

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.



17.9655, 0.1654, 0.1631



17.9655, 0.5237, 0.4224



17.9655, 0.1280, 0.2463

Square

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



17.9655, 0.5237, 0.4224



17.9655, 0.2427, 0.5069



17.9655, 0.1300, 0.1830



17.9655, 0.3536, 0.2130

Rectangle

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



17.9655, 0.5237, 0.4224



17.9655, 0.3822, 0.5460



17.9655, 0.1300, 0.1830



17.9655, 0.2101, 0.1675

Sweetspot

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



17.9665, 0.5237, 0.4224



60.1408, 0.3672, 0.3724



9.7989, 0.5163, 0.2618



12.5611, 0.3760, 0.3785



89.0005, 0.3127, 0.3290



17.0645, 0.3127, 0.3290

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



17.9665, 0.5237, 0.4224



32.1214, 0.5259, 0.4206



39.2935, 0.4107, 0.5121



9.2637, 0.3274, 0.3417



13.2987, 0.5223, 0.4235



0.5325, 0.4864, 0.4520

Inverse Universe

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



8.5856, 0.1722, 0.1400



15.1329, 0.1714, 0.1370



3.1918, 0.1516, 0.0609



8.8295, 0.2985, 0.3160



6.4116, 0.1728, 0.1419



0.3187, 0.1881, 0.1972

Previews

White Background



This preview shows how the Yxy color 17.9655, 0.5237, 0.4224 looks on a white 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

Black Background



This preview shows how the Yxy color 17.9655, 0.5237, 0.4224 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 17.9655, 0.5237, 0.4224

Background



This preview shows how black text looks on a background with the Yxy color 17.9655, 0.5237, 0.4224.



This preview shows how white text looks on a background with the Yxy color 17.9655, 0.5237, 0.4224.

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

17.9655, 0.5237, 0.4224

Protanopia

18.2119, 0.4345, 0.4840

Deuteranopia

17.9779, 0.4703, 0.4648



Tritanopia

17.9477, 0.4365, 0.3193

Trichromacy



Original Color

17.9655, 0.5237, 0.4224

Protanomaly

17.7782, 0.4691, 0.4601

Deuteranomaly

17.8863, 0.4906, 0.4487

Tritanomaly

17.8182, 0.4858, 0.3726

Monochromacy



Original Color

17.9655, 0.5237, 0.4224

Achromatopsia

15.5926, 0.3127, 0.3290

Achromatomaly

15.8186, 0.4032, 0.3964

CSS Examples

Text

The CSS property to change the color of the text to Yxy 17.9655, 0.5237, 0.4224 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(176, 98, 0)` looks like.

```
.text, #text, p{  
    color:rgb(176, 98, 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(176, 98, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(176, 98, 0) }
```

Border

The CSS property to change the border of an element to Yxy 17.9655, 0.5237, 0.4224 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(176, 98, 0) }
```

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

```
.border{ border-color:rgb(176, 98, 0) }
```

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

Here you see how a box with a 4 pixel rgb(176, 98, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(176, 98, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(176, 98, 0);  
box-shadow:4px 4px 4px 4px rgb(176, 98, 0)  
}
```


Background

The CSS property to change the background color of an element to Yxy 17.9655, 0.5237, 0.4224 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(176, 98, 0) }
```

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

```
.background{ background-color: rgb(176, 98,  
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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