

Converting Colors

$Y_{xy}(18.6527, 0.4221, 0.5030)$

Have a look what the booklet for
Yxy(18.6527, 0.4221, 0.5030)
contains.

Yxy(18.5259, 0.4220, 0.5031)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(18.5259, 0.4220, 0.5031)

Conversions

Conversions Part 1

Format	Color
Hex	7D7B00
RGB	125, 123, 0
RGB Percent	49%, 48%, 0%
CMY	0.5098, 0.5176, 0.9998
CMYK	0.00, 0.02, 1.00, 0.51
HSL	59°, 100%, 25%
HSV	59°, 100%, 49%
XYZ	15.5395, 18.5259, 2.7581
YIQ	109.5760, 40.6750, -37.8290

Conversions

Conversions Part 2

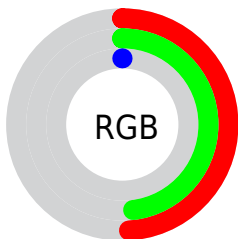
Format	Color
RYB	2, 125, 0
Decimal	8223488
CIELab	50.13, -11.63, 55.28
CIELCh	50, 56.487, 101.883
Yxy	18.5259, 0.4220, 0.5031
Android (android.graphics.Color)	4286413568 (0xFF7D7B00)
YUV	109.5760, -54.0210, 13.5268
Hunter-Lab	43.0417, -10.8785, 26.3300

Details

The Yxy color **18.5259, 0.4220, 0.5031** is a dark color, and the websafe version is hex **666600**. A complement of this color would be **1.5249, 0.1505, 0.0616**, and the grayscale version is **15.6156, 0.3127, 0.3290**.

A 20% lighter version of the original color is **40.8654, 0.4051, 0.4685**, and **6.4099, 0.4130, 0.5103** is the 20% darker color. If you saturate the color by 10%, you get **18.5265, 0.4220, 0.5031**, and if you desaturate by 10%, it is **18.6039, 0.4184, 0.4978**.

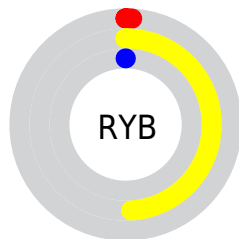
Distribution



Red (49%)

Green (48%)

Blue (0%)



Red (1%)

Yellow (49%)

Blue (0%)

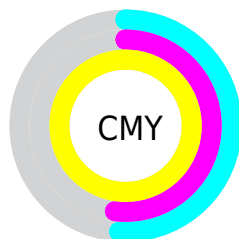


Cyan (0%)

Magenta (2%)

Yellow (100%)

Black (51%)



Cyan (51%)


Magenta (52%)


Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 18.5259, 0.4220, 0.5031 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 18.5259, 0.4220, 0.5031 by changing the saturation by 10% instead.


 18.5259, 0.4220,
0.5031


 18.5259, 0.4220,
0.5031


243.8188, 0.3684,
0.4084


 11.3282, 0.4302,
0.5247


 40.9314, 0.4050,
0.4688


 6.2880, 0.4423,
0.5577


 56.9081, 0.3976,
0.4556

 3.0210, 0.4296,
0.5704


 76.5798, 0.3910,
0.4445

 1.1427, 0.4062,
0.5938

 100.3310, 0.3853,
0.4350

 0.0142, 0.0000,
1.0000


 128.5461, 0.3803,
0.4269


 0.0000, 0.0000,
0.0000


 161.6096, 0.3758,


0.4199

 199.9056, 0.3719,
0.4138


 18.5259, 0.4220,
0.5031


 18.5259, 0.4220,
0.5031


 18.5265, 0.4220,
0.5031

 18.6039, 0.4184,
0.4978

 18.6957, 0.4131,
0.4899

 18.8118, 0.4055,
0.4780

 18.9551, 0.3955,
0.4623

 19.1279, 0.3837,
0.4435

■ 19.3325, 0.3703,
0.4222

■ 19.5708, 0.3561,
0.3993

■ 19.8446, 0.3415,
0.3756

■ 20.1557, 0.3269,
0.3520

Harmonies

Analogous

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



18.5259, 0.4948, 0.4351



18.5259, 0.4220, 0.5031



18.5259, 0.3277, 0.5278

Triad

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



18.5259, 0.4220, 0.5031



18.5259, 0.1417, 0.2407



18.5259, 0.3737, 0.2343

Complementary

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



18.5259, 0.4220, 0.5031



1.5249, 0.1505, 0.0616

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.



18.5259, 0.2668, 0.1933



18.5259, 0.4220, 0.5031



18.5259, 0.1496, 0.1905

Square

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



18.5259, 0.4220, 0.5031



18.5259, 0.1685, 0.3384



18.5259, 0.1901, 0.1774



18.5259, 0.4749, 0.2936

Rectangle

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



18.5259, 0.4220, 0.5031



18.5259, 0.2638, 0.4940



18.5259, 0.1901, 0.1774



18.5259, 0.3361, 0.2181

Sweetspot

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



18.5268, 0.4220, 0.5031



35.0179, 0.3572, 0.4011



4.3650, 0.6372, 0.3284



7.9307, 0.3622, 0.4090



63.8283, 0.3127, 0.3290



8.3535, 0.3127, 0.3290

Same Dimension

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



18.5268, 0.4220, 0.5031



33.1611, 0.4221, 0.5031



15.7750, 0.3411, 0.5673



5.0081, 0.3256, 0.3500



19.3386, 0.4220, 0.5031



0.0000, 0.0000, 0.0000

Inverse Universe

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



1.5249, 0.1505, 0.0616



2.7078, 0.1503, 0.0611



2.4559, 0.2024, 0.0889



4.2218, 0.2993, 0.3071



1.5893, 0.1504, 0.0615



0.0000, 0.0000, 0.0000

Previews

White Background



This preview shows how the Yxy color 18.5259, 0.4220, 0.5031 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 18.5259, 0.4220, 0.5031 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

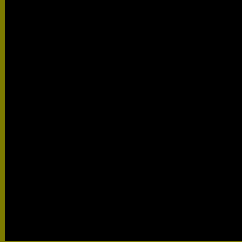
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 18.5259, 0.4220, 0.5031

Background



This preview shows how black text looks on a background with the Yxy color 18.5259, 0.4220, 0.5031.



This preview shows how white text looks on a background with the Yxy color 18.5259, 0.4220, 0.5031.

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

18.5259, 0.4220, 0.5031

Protanopia

18.5838, 0.4397, 0.4891

Deuteranopia

18.4332, 0.4653, 0.4568



Tritanopia

18.4512, 0.3265, 0.3127

Trichromacy



Original Color

18.5259, 0.4220, 0.5031

Protanomaly

18.5000, 0.4329, 0.4945

Deuteranomaly

18.4975, 0.4503, 0.4739

Tritanomaly

18.0185, 0.3786, 0.4026

Monochromacy



Original Color

18.5259, 0.4220, 0.5031

Achromatopsia

15.5926, 0.3127, 0.3290

Achromatomaly

16.3485, 0.3682, 0.4208

CSS Examples

Text

The CSS property to change the color of the text to Yxy 18.5259, 0.4220, 0.5031 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(125, 123, 0)` looks like.

```
.text, #text, p{  
  color:rgb(125, 123, 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(125, 123, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(125, 123, 0) }
```

Border

The CSS property to change the border of an element to Yxy 18.5259, 0.4220, 0.5031 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(125, 123, 0) }
```

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

```
.border{ border-color:rgb(125, 123, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(125, 123, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(125, 123, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(125, 123, 0);  
box-shadow:4px 4px 4px 4px rgb(125, 123,  
0) }
```


Background

The CSS property to change the background color of an element to Yxy 18.5259, 0.4220, 0.5031 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(125, 123, 0) }
```

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

```
.background{ background-color: rgb(125,  
123, 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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor