

Converting Colors

$Y_{xy}(18.9014, 0.4349, 0.5227)$

Have a look what the booklet for
 $Y_{xy}(18.9014, 0.4349, 0.5227)$
contains.

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Color

Yxy(18.9273, 0.4233, 0.5021)

Conversions

Conversions Part 1

Format	Color
Hex	7F7C00
RGB	127, 124, 0
RGB Percent	50%, 49%, 0%
CMY	0.5021, 0.5137, 1.0000
CMYK	0.00, 0.02, 1.00, 0.50
HSL	59°, 100%, 25%
HSV	59°, 100%, 50%
XYZ	15.9568, 18.9273, 2.8121
YIQ	110.7610, 41.5920, -37.9280

Conversions

Conversions Part 2

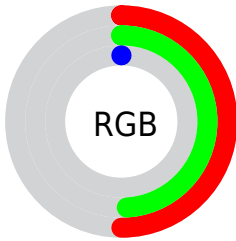
Format	Color
R_YB	3, 127, 0
Decimal	8354816
CIE Lab	50.60, -11.25, 55.71
CIE LCh	51, 56.837, 101.415
Yxy	18.9273, 0.4233, 0.5021
Android (android.graphics.Color)	4286544896 (0xFF7F7C00)
YUV	110.7610, -54.6052, 14.2416
Hunter-Lab	43.5055, -10.6649, 26.6214

Details

The Yxy color **18.9273, 0.4233, 0.5021** is a dark color, and the websafe version is hex **666600**. A complement of this color would be **1.5958, 0.1506, 0.0623**, and the grayscale version is **15.9752, 0.3127, 0.3290**.

A 20% lighter version of the original color is **41.4996, 0.4063, 0.4683**, and **6.6247, 0.4152, 0.5085** is the 20% darker color. If you saturate the color by 10%, you get **18.9282, 0.4233, 0.5021**, and if you desaturate by 10%, it is **19.0308, 0.4195, 0.4970**.

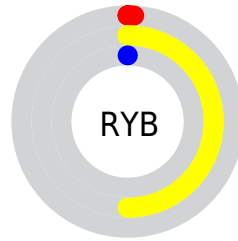
Distribution



Red (50%)

Green (49%)

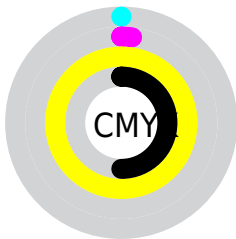
Blue (0%)



Red (1%)

Yellow (50%)

Blue (0%)

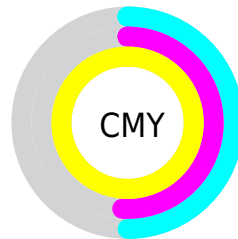


Cyan (0%)

Magenta (2%)

Yellow (100%)

Black (50%)



Cyan (50%)


Magenta (51%)

Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 18.9273, 0.4233, 0.5021 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 18.9273, 0.4233, 0.5021 by changing the saturation by 10% instead.


 18.9273, 0.4233,
0.5021


 18.9273, 0.4233,
0.5021


246.0471, 0.3692,
0.4085


 11.6178, 0.4317,
0.5233


 41.6112, 0.4061,
0.4683


 6.4840, 0.4443,
0.5557


 57.7544, 0.3986,
0.4553


 3.1415, 0.4322,
0.5678

 77.6109, 0.3920,
0.4443

 1.2061, 0.4108,
0.5892

 101.5651, 0.3862,
0.4349


 0.0666, 0.0000,
1.0000

 130.0014, 0.3811,
0.4269

 0.0000, 0.0000,
0.0000


 163.3043, 0.3767,

0.4199

 201.8581, 0.3727,
0.4138


 18.9273, 0.4233,
0.5021


 18.9273, 0.4233,
0.5021

 18.9282, 0.4233,
0.5021

 19.0308, 0.4195,
0.4970

 19.1489, 0.4141,
0.4892

 19.2922, 0.4063,
0.4774

 19.4638, 0.3962,
0.4618

 19.6662, 0.3842,
0.4430

■ 19.9016, 0.3707,
0.4218

■ 20.1721, 0.3564,
0.3990

■ 20.4796, 0.3416,
0.3755

■ 20.8259, 0.3270,
0.3519

Harmonies

Analogous

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



18.9273, 0.4955, 0.4339



18.9273, 0.4233, 0.5021



18.9273, 0.3293, 0.5278

Triad

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



18.9273, 0.4233, 0.5021



18.9273, 0.1420, 0.2419



18.9273, 0.3719, 0.2335

Complementary

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



18.9273, 0.4233, 0.5021



1.5958, 0.1506, 0.0623

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.



18.9273, 0.2653, 0.1930



18.9273, 0.4233, 0.5021



18.9273, 0.1493, 0.1910

Square

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



18.9273, 0.4233, 0.5021



18.9273, 0.1693, 0.3403



18.9273, 0.1893, 0.1775



18.9273, 0.4735, 0.2926

Rectangle

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



18.9273, 0.4233, 0.5021



18.9273, 0.2653, 0.4951



18.9273, 0.1893, 0.1775



18.9273, 0.3344, 0.2175

Sweetspot

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



18.9282, 0.4233, 0.5021



36.1046, 0.3574, 0.4006



4.5191, 0.6346, 0.3270



8.4114, 0.3626, 0.4088



65.5931, 0.3127, 0.3290



8.8982, 0.3127, 0.3290

Same Dimension

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



18.9282, 0.4233, 0.5021



33.8812, 0.4234, 0.5020



16.3901, 0.3433, 0.5656



5.0028, 0.3257, 0.3498



19.0988, 0.4233, 0.5021



0.0000, 0.0000, 0.0000

Inverse Universe

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



1.5958, 0.1506, 0.0623



2.8278, 0.1505, 0.0617



2.4692, 0.1991, 0.0871



4.2265, 0.2993, 0.3073



1.6099, 0.1506, 0.0623



0.0000, 0.0000, 0.0000

Previews

White Background



This preview shows how the Yxy color 18.9273, 0.4233, 0.5021 looks on a white background.

Color Contrast Check

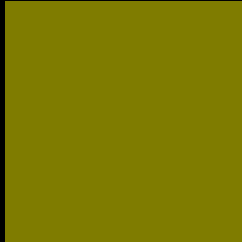
Large Text (above 18pt) WCAG AA ✓ Pass

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 18.9273, 0.4233, 0.5021 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

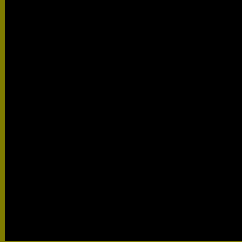
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 18.9273, 0.4233, 0.5021

Background



This preview shows how black text looks on a background with the Yxy color 18.9273, 0.4233, 0.5021.



This preview shows how white text looks on a background with the Yxy color 18.9273, 0.4233, 0.5021.

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

18.9273, 0.4233, 0.5021

Protanopia

18.9090, 0.4396, 0.4892

Deuteranopia

18.7537, 0.4651, 0.4572



Tritanopia

18.8676, 0.3277, 0.3129

Trichromacy



Original Color

18.9273, 0.4233, 0.5021

Protanomaly

18.9056, 0.4341, 0.4935

Deuteranomaly

18.8207, 0.4501, 0.4741

Tritanomaly

18.4269, 0.3795, 0.4017

Monochromacy



Original Color

18.9273, 0.4233, 0.5021

Achromatopsia

15.8961, 0.3127, 0.3290

Achromatomaly

16.7276, 0.3693, 0.4197

CSS Examples

Text

The CSS property to change the color of the text to Yxy 18.9273, 0.4233, 0.5021 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(127, 124, 0)` looks like.

```
.text, #text, p{  
    color:rgb(127, 124, 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(127, 124, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(127, 124, 0) }
```

Border

The CSS property to change the border of an element to Yxy 18.9273, 0.4233, 0.5021 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(127, 124, 0) }
```

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

```
.border{ border-color:rgb(127, 124, 0) }
```

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

Here you see how a box with a 4 pixel rgb(127, 124, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(127, 124, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(127, 124, 0);  
box-shadow:4px 4px 4px 4px rgb(127, 124,  
0) }
```


Background

The CSS property to change the background color of an element to Yxy 18.9273, 0.4233, 0.5021 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(127, 124, 0) }
```

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

```
.background{ background-color: rgb(127,  
124, 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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