

Converting Colors

$Y_{xy}(18.0060, 0.4135, 0.5462)$

Have a look what the booklet for
Yxy(18.0060, 0.4135, 0.5462)
contains.

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Color

Yxy(18.0467, 0.4004, 0.5203)

Conversions

Conversions Part 1

Format	Color
Hex	6F7D00
RGB	111, 125, 0
RGB Percent	44%, 49%, 0%
CMY	0.5648, 0.5098, 1.0000
CMYK	0.11, 0.00, 1.00, 0.51
HSL	67°, 100%, 25%
HSV	67°, 100%, 49%
XYZ	13.8879, 18.0467, 2.7505
YIQ	106.5640, 31.7810, -41.8430

Conversions

Conversions Part 2

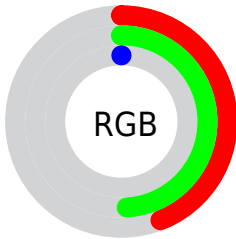
Format	Color
RYB	0, 125, 14
Decimal	7306496
CIELab	49.55, -19.20, 54.34
CIELCh	50, 57.632, 109.463
Yxy	18.0467, 0.4004, 0.5203
Android (android.graphics.Color)	4285496576 (0xFF6F7D00)
YUV	106.5640, -52.5361, 3.8904
Hunter-Lab	42.4814, -15.9876, 25.8981

Details

The Yxy color **18.0467, 0.4004, 0.5203** is a dark color, and the websafe version is hex **666600**. A complement of this color would be **1.5743, 0.1556, 0.0631**, and the grayscale version is **14.7174, 0.3127, 0.3290**.

A 20% lighter version of the original color is **39.9329, 0.3888, 0.4792**, and **6.0987, 0.3838, 0.5334** is the 20% darker color. If you saturate the color by 10%, you get **18.0476, 0.4004, 0.5203**, and if you desaturate by 10%, it is **18.1670, 0.3990, 0.5128**.

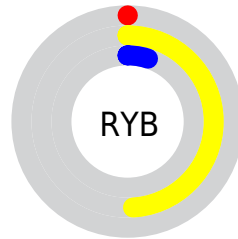
Distribution



Red (44%)

Green (49%)

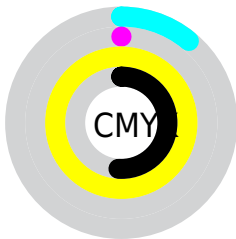
Blue (0%)



Red (0%)

Yellow (49%)

Blue (5%)

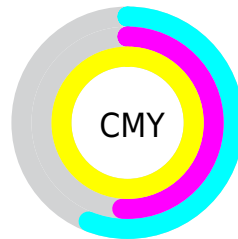


Cyan (11%)

Magenta (0%)

Yellow (100%)

Black (51%)



Cyan (56%)


Magenta (51%)

Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 18.0467, 0.4004, 0.5203 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 18.0467, 0.4004, 0.5203 by changing the saturation by 10% instead.


 18.0467, 0.4004,
0.5203


 18.0467, 0.4004,
0.5203


 241.1341, 0.3595,
0.4127


 10.9835, 0.4047,
0.5471


 40.1169, 0.3885,
0.4799


 6.0558, 0.4111,
0.5889

 55.8927, 0.3828,
0.4648


 2.8790, 0.3888,
0.6112

 75.3415, 0.3777,
0.4523

 1.0689, 0.3341,
0.6659

 98.8476, 0.3732,
0.4418


 0.0000, 0.0000,
0.0000

 126.7956, 0.3691,
0.4328


 159.5697, 0.3656,


0.4252


 197.5545, 0.3624,
0.4185


 18.0467, 0.4004,
0.5203


 18.0467, 0.4004,
0.5203


 18.0476, 0.4004,
0.5203

 18.1670, 0.3990,
0.5128

 18.3025, 0.3960,
0.5026

 18.4636, 0.3907,
0.4883

 18.6531, 0.3830,
0.4703

 18.8735, 0.3735,
0.4493

■ 19.1271, 0.3624,
0.4261

■ 19.4158, 0.3504,
0.4017

■ 19.7414, 0.3378,
0.3770

■ 20.1057, 0.3251,
0.3526

Harmonies

Analogous

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



18.0467, 0.4831, 0.4554



18.0467, 0.4004, 0.5203



18.0467, 0.3020, 0.5266

Triad

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



18.0467, 0.4004, 0.5203



18.0467, 0.1370, 0.2208



18.0467, 0.4043, 0.2459

Complementary

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



18.0467, 0.4004, 0.5203



1.5743, 0.1556, 0.0631

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.



18.0467, 0.2909, 0.1986



18.0467, 0.4004, 0.5203



18.0467, 0.1533, 0.1807

Square

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



18.0467, 0.4004, 0.5203



18.0467, 0.1544, 0.3082



18.0467, 0.2034, 0.1757



18.0467, 0.4982, 0.3092

Rectangle

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



18.0467, 0.4004, 0.5203



18.0467, 0.2390, 0.4748



18.0467, 0.2034, 0.1757



18.0467, 0.3658, 0.2278

Sweetspot

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



18.0476, 0.4004, 0.5203



34.7255, 0.3513, 0.4035



4.6357, 0.6287, 0.3390



7.8570, 0.3555, 0.4120



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.



18.0476, 0.4004, 0.5203



32.2760, 0.3999, 0.5207



15.3470, 0.3264, 0.5791



4.9957, 0.3240, 0.3504



18.8324, 0.4003, 0.5203



0.0000, 0.0000, 0.0000

Inverse Universe

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



1.5743, 0.1556, 0.0631



2.7830, 0.1544, 0.0624



2.9768, 0.2261, 0.1019



4.2330, 0.3009, 0.3069



1.6411, 0.1555, 0.0630



0.0000, 0.0000, 0.0000

Previews

White Background



This preview shows how the Yxy color 18.0467, 0.4004, 0.5203 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 18.0467, 0.4004, 0.5203 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

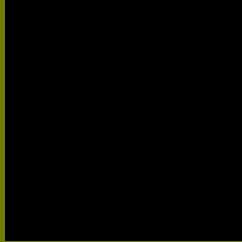
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 18.0467, 0.4004, 0.5203

Background



This preview shows how black text looks on a background with the Yxy color 18.0467, 0.4004, 0.5203.



This preview shows how white text looks on a background with the Yxy color 18.0467, 0.4004, 0.5203.

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

18.0467, 0.4004, 0.5203

Protanopia

17.9434, 0.4400, 0.4888

Deuteranopia

18.0320, 0.4630, 0.4556



Tritanopia

17.9645, 0.3072, 0.3119

Trichromacy



Original Color

18.0467, 0.4004, 0.5203

Protanomaly

18.0347, 0.4248, 0.5009

Deuteranomaly

17.9025, 0.4404, 0.4800

Tritanomaly

17.5547, 0.3568, 0.4073

Monochromacy



Original Color

18.0467, 0.4004, 0.5203

Achromatopsia

14.7027, 0.3127, 0.3290

Achromatomaly

15.6401, 0.3611, 0.4265

CSS Examples

Text

The CSS property to change the color of the text to Yxy 18.0467, 0.4004, 0.5203 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(111, 125, 0)` looks like.

```
.text, #text, p{  
    color:rgb(111, 125, 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(111, 125, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(111, 125, 0) }
```

Border

The CSS property to change the border of an element to Yxy 18.0467, 0.4004, 0.5203 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(111, 125, 0) }
```

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

```
.border{ border-color:rgb(111, 125, 0) }
```

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

Here you see how a box with a 4 pixel rgb(111, 125, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(111, 125, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(111, 125, 0);  
box-shadow:4px 4px 4px 4px rgb(111, 125,  
0) }
```


Background

The CSS property to change the background color of an element to Yxy 18.0467, 0.4004, 0.5203 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(111, 125, 0) }
```

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

```
.background{ background-color: rgb(111,  
125, 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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