

Converting Colors

$Y_{xy}(18.4187, 0.3909, 0.5265)$

Have a look what the booklet for
Yxy(18.4187, 0.3909, 0.5265)
contains.

Yxy(18.5685, 0.3910, 0.5264)	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(18.5685, 0.3910, 0.5264)

Conversions

Conversions Part 1

Format	Color
Hex	6B8002
RGB	107, 128, 2
RGB Percent	42%, 50%, 1%
CMY	0.5804, 0.4980, 0.9922
CMYK	0.16, 0.00, 0.98, 0.50
HSL	70°, 97%, 25%
HSV	70°, 98%, 50%
XYZ	13.7923, 18.5685, 2.9137
YIQ	107.3570, 27.9300, -43.6380

Conversions

Conversions Part 2

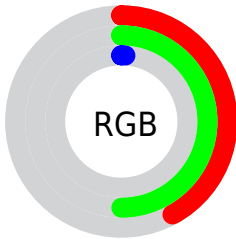
Format	Color
RYB	2, 128, 23
Decimal	7045122
CIELab	50.18, -22.51, 54.28
CIELCh	50, 58.760, 112.520
Yxy	18.5685, 0.3910, 0.5264
Android (android.graphics.Color)	4285235202 (0xFF6B8002)
YUV	107.3570, -51.9410, -0.3131
Hunter-Lab	43.0912, -18.2765, 26.1548

Details

The Yxy color **18.5685, 0.3910, 0.5264** is a dark color, and the websafe version is hex **999933**. A complement of this color would be **1.7837, 0.1606, 0.0671**, and the grayscale version is **14.9481, 0.3127, 0.3290**.

A 20% lighter version of the original color is **41.1225, 0.3817, 0.4843**, and **6.4042, 0.3711, 0.5436** is the 20% darker color. If you saturate the color by 10%, you get **18.5446, 0.3911, 0.5277**, and if you desaturate by 10%, it is **18.7328, 0.3905, 0.5179**.

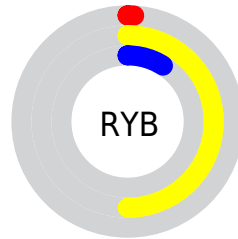
Distribution



Red (42%)

Green (50%)

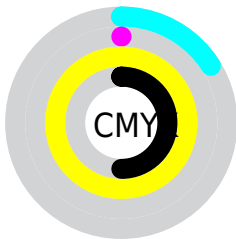
Blue (1%)



Red (1%)

Yellow (50%)

Blue (9%)

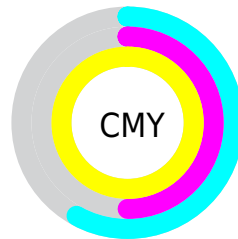


Cyan (16%)

Magenta (0%)

Yellow (98%)

Black (50%)



Cyan (58%)


Magenta (50%)


Yellow (99%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 18.5685, 0.3910, 0.5264 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 18.5685, 0.3910, 0.5264 by changing the saturation by 10% instead.


 18.5685, 0.3910,
0.5264


 18.5685, 0.3910,
0.5264


244.0562, 0.3558,
0.4145


 11.3589, 0.3937,
0.5550


 41.0037, 0.3813,
0.4839


 6.3088, 0.3987,
0.6013


 56.9981, 0.3765,
0.4683


 3.0337, 0.3732,
0.6268

 76.6895, 0.3720,
0.4553

 1.1494, 0.3122,
0.6878

 100.4624, 0.3680,
0.4445


 0.0198, 0.0000,
1.0000


 128.7011, 0.3644,
0.4352


 0.0000, 0.0000,
0.0000


 161.7900, 0.3612,

0.4273


 200.1136, 0.3583,
0.4205


 18.5685, 0.3910,
0.5264

 18.5685, 0.3910,
0.5264


 18.5446, 0.3911,
0.5277

 18.7328, 0.3905,
0.5179

 18.9180, 0.3881,
0.5060

 19.1325, 0.3834,
0.4900

 19.3793, 0.3764,
0.4704

 19.6610, 0.3675,
0.4480

■ 19.9798, 0.3572,
0.4238

■ 20.3380, 0.3460,
0.3987

■ 20.7373, 0.3343,
0.3735

■ 21.1796, 0.3225,
0.3489

Harmonies

Analogous

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



18.5685, 0.4771, 0.4637



18.5685, 0.3910, 0.5264



18.5685, 0.2915, 0.5239

Triad

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



18.5685, 0.3910, 0.5264



18.5685, 0.1359, 0.2137



18.5685, 0.4168, 0.2511

Complementary

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



18.5685, 0.3910, 0.5264



1.7837, 0.1606, 0.0671

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.



18.5685, 0.3016, 0.2015



18.5685, 0.3910, 0.5264



18.5685, 0.1556, 0.1776

Square

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



18.5685, 0.3910, 0.5264



18.5685, 0.1496, 0.2965



18.5685, 0.2097, 0.1757



18.5685, 0.5063, 0.3158

Rectangle

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



18.5685, 0.3910, 0.5264



18.5685, 0.2293, 0.4649



18.5685, 0.2097, 0.1757



18.5685, 0.3782, 0.2323

Sweetspot

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



18.5693, 0.3910, 0.5264



35.6573, 0.3486, 0.4043



5.2061, 0.6146, 0.3470



8.2954, 0.3526, 0.4133



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.



18.5693, 0.3910, 0.5264



32.5940, 0.3904, 0.5282



15.9795, 0.3197, 0.5826



4.9843, 0.3233, 0.3505



18.3869, 0.3911, 0.5277



0.0000, 0.0000, 0.0000

Inverse Universe

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



1.7837, 0.1606, 0.0671



2.9859, 0.1577, 0.0643



3.5799, 0.2420, 0.1117



4.2435, 0.3016, 0.3069



1.7077, 0.1592, 0.0651



0.0000, 0.0000, 0.0000

Previews

White Background



This preview shows how the Yxy color 18.5685, 0.3910, 0.5264 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 18.5685, 0.3910, 0.5264 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

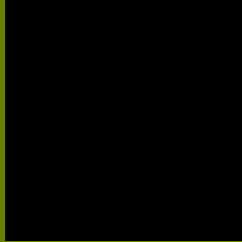
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 18.5685, 0.3910, 0.5264

Background



This preview shows how black text looks on a background with the Yxy color 18.5685, 0.3910, 0.5264.



This preview shows how white text looks on a background with the Yxy color 18.5685, 0.3910, 0.5264.

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

18.5685, 0.3910, 0.5264

Protanopia

18.5838, 0.4397, 0.4891

Deuteranopia

18.3522, 0.4622, 0.4554



Tritanopia

18.5341, 0.3000, 0.3119

Trichromacy



Original Color

18.5685, 0.3910, 0.5264

Protanomaly

18.5281, 0.4218, 0.5027

Deuteranomaly

18.0597, 0.4369, 0.4812

Tritanomaly

18.0390, 0.3476, 0.4101

Monochromacy



Original Color

18.5685, 0.3910, 0.5264

Achromatopsia

14.7027, 0.3127, 0.3290

Achromatomaly

15.8169, 0.3579, 0.4267

CSS Examples

Text

The CSS property to change the color of the text to Yxy 18.5685, 0.3910, 0.5264 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(107, 128, 2)` looks like.

```
.text, #text, p{  
    color:rgb(107, 128, 2)  
}
```

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(107, 128, 2) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(107, 128, 2) }
```

Border

The CSS property to change the border of an element to Yxy 18.5685, 0.3910, 0.5264 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(107, 128, 2) }
```

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

```
.border{ border-color:rgb(107, 128, 2) }
```

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

Here you see how a box with a 4 pixel rgb(107, 128, 2) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(107, 128, 2); -webkit-box-  
shadow:4px 4px 4px 4px rgb(107, 128, 2);  
box-shadow:4px 4px 4px 4px rgb(107, 128,  
2) }
```


Background

The CSS property to change the background color of an element to Yxy 18.5685, 0.3910, 0.5264 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(107, 128, 2) }
```

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

```
.background{ background-color: rgb(107,  
128, 2) }
```

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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