

Converting Colors

$Y_{xy}(18.1761, 0.3510, 0.5808)$

Have a look what the booklet for
Yxy(18.1761, 0.3510, 0.5808)
contains.

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Color

Yxy(18.1915, 0.3453, 0.5641)

Conversions

Conversions Part 1

Format	Color
Hex	498500
RGB	73, 133, 0
RGB Percent	29%, 52%, 0%
CMY	0.7137, 0.4784, 1.0000
CMYK	0.45, 0.00, 1.00, 0.48
HSL	87°, 100%, 26%
HSV	87°, 100%, 52%
XYZ	11.1355, 18.1915, 2.9217
YIQ	99.8980, 6.9330, -54.0830

Conversions

Conversions Part 2

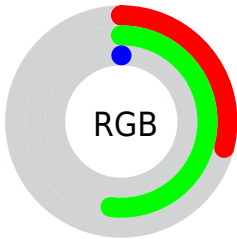
Format	Color
RYB	0, 133, 60
Decimal	4818176
CIELab	49.73, -38.65, 53.45
CIELCh	50, 65.957, 125.873
Yxy	18.1915, 0.3453, 0.5641
Android (android.graphics.Color)	4283008256 (0xFF498500)
YUV	99.8980, -49.2497, -23.5895
Hunter-Lab	42.6515, -28.0372, 25.7945

Details

The Yxy color **18.1915, 0.3453, 0.5641** is a dark color, and the websafe version is hex **669900**. A complement of this color would be **2.6538, 0.1958, 0.0852**, and the grayscale version is **12.8445, 0.3127, 0.3290**.

A 20% lighter version of the original color is **40.5232, 0.3470, 0.5085**, and **6.2721, 0.3083, 0.5934** is the 20% darker color. If you saturate the color by 10%, you get **18.1925, 0.3453, 0.5640**, and if you desaturate by 10%, it is **18.4681, 0.3489, 0.5514**.

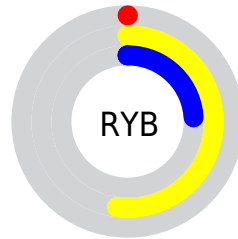
Distribution



Red (29%)

Green (52%)

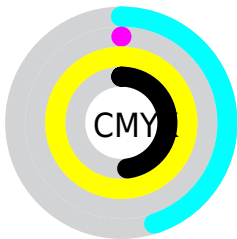
Blue (0%)



Red (0%)

Yellow (52%)

Blue (24%)

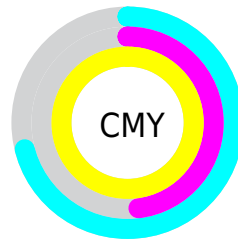


Cyan (45%)

Magenta (0%)

Yellow (100%)

Black (48%)



Cyan (71%)


Magenta (48%)


Yellow (100%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 18.1915, 0.3453, 0.5641 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 18.1915, 0.3453, 0.5641 by changing the saturation by 10% instead.


 18.1915, 0.3453,
0.5641


 18.1915, 0.3453,
0.5641


241.9482, 0.3378,
0.4246


 11.0876, 0.3390,
0.6036


 40.3634, 0.3471,
0.5087


 6.1258, 0.3306,
0.6694

 56.2001, 0.3462,
0.4892


 2.9217, 0.2854,
0.7146

 75.7165, 0.3448,
0.4733

 1.0910, 0.0684,
0.9316

 99.2971, 0.3433,
0.4601


 0.0000, 0.0000,
0.0000


 127.3261, 0.3418,
0.4490


 160.1881, 0.3404,

0.4397


 198.2673, 0.3391,
0.4316


 18.1915, 0.3453,
0.5641


 18.1915, 0.3453,
0.5641


 18.1925, 0.3453,
0.5640

 18.4681, 0.3489,
0.5514

 18.7846, 0.3512,
0.5351

 19.1527, 0.3513,
0.5143

 19.5762, 0.3493,
0.4897

 20.0588, 0.3455,
0.4627

■ 20.6034, 0.3403,
0.4345

■ 21.2128, 0.3340,
0.4063

■ 21.8897, 0.3271,
0.3790

■ 22.6366, 0.3200,
0.3531

Harmonies

Analogous

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



18.1915, 0.4499, 0.5088



18.1915, 0.3453, 0.5641



18.1915, 0.2385, 0.5138

Triad

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



18.1915, 0.3453, 0.5641



18.1915, 0.1254, 0.1782



18.1915, 0.4823, 0.2716

Complementary

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



18.1915, 0.3453, 0.5641



2.6538, 0.1958, 0.0852

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.



18.1915, 0.3559, 0.2101



18.1915, 0.3453, 0.5641



18.1915, 0.1617, 0.1586

Square

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



18.1915, 0.3453, 0.5641



18.1915, 0.1228, 0.2419



18.1915, 0.2378, 0.1705



18.1915, 0.5490, 0.3439

Rectangle

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



18.1915, 0.3453, 0.5641



18.1915, 0.1802, 0.4188



18.1915, 0.2378, 0.1705



18.1915, 0.4435, 0.2494

Sweetspot

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



18.1925, 0.3453, 0.5640



37.9086, 0.3345, 0.4082



8.2028, 0.5510, 0.4007



8.4502, 0.3368, 0.4183



67.3860, 0.3127, 0.3290



9.4630, 0.3127, 0.3290

Same Dimension

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



18.1925, 0.3453, 0.5640



32.4838, 0.3438, 0.5652



16.8184, 0.3016, 0.5987



5.3213, 0.3193, 0.3509



17.3330, 0.3454, 0.5639



0.0644, 0.3778, 0.5382

Inverse Universe

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



2.6538, 0.1958, 0.0852



4.6612, 0.1936, 0.0840



6.1559, 0.3088, 0.1475



4.6398, 0.3057, 0.3070



2.5324, 0.1960, 0.0854



0.0130, 0.2454, 0.1125

Previews

White Background



This preview shows how the Yxy color 18.1915, 0.3453, 0.5641 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 18.1915, 0.3453, 0.5641 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

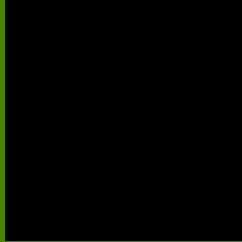
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 18.1915, 0.3453, 0.5641

Background



This preview shows how black text looks on a background with the Yxy color 18.1915, 0.3453, 0.5641.



This preview shows how white text looks on a background with the Yxy color 18.1915, 0.3453, 0.5641.

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

18.1915, 0.3453, 0.5641

Protanopia

17.9434, 0.4400, 0.4888

Deuteranopia

17.9634, 0.4584, 0.4523



Tritanopia

18.2604, 0.2643, 0.3087

Trichromacy



Original Color

18.1915, 0.3453, 0.5641

Protanomaly

17.5454, 0.4029, 0.5183

Deuteranomaly

17.5384, 0.4155, 0.4957

Tritanomaly

17.6736, 0.3061, 0.4228

Monochromacy



Original Color

18.1915, 0.3453, 0.5641

Achromatopsia

12.7438, 0.3127, 0.3290

Achromatomaly

14.1322, 0.3410, 0.4407

CSS Examples

Text

The CSS property to change the color of the text to Yxy 18.1915, 0.3453, 0.5641 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(73, 133, 0)` looks like.

```
.text, #text, p{  
    color:rgb(73, 133, 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(73, 133, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(73, 133, 0) }
```

Border

The CSS property to change the border of an element to Yxy 18.1915, 0.3453, 0.5641 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(73, 133, 0) }
```

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

```
.border{ border-color:rgb(73, 133, 0) }
```

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

Here you see how a box with a 4 pixel rgb(73, 133, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(73, 133, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(73, 133, 0);  
box-shadow:4px 4px 4px 4px rgb(73, 133, 0)  
}
```


Background

The CSS property to change the background color of an element to Yxy 18.1915, 0.3453, 0.5641 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(73, 133, 0) }
```

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

```
.background{ background-color: rgb(73, 133,  
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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