

Converting Colors

$Y_{xy}(18.1267, 0.3241, 0.5770)$

Have a look what the booklet for
Yxy(18.1267, 0.3241, 0.5770)
contains.

Yxy(18.0958, 0.3240, 0.5771)	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(18.0958, 0.3240, 0.5771)

Conversions

Conversions Part 1

Format	Color
Hex	358705
RGB	53, 135, 5
RGB Percent	21%, 53%, 2%
CMY	0.7922, 0.4706, 0.9803
CMYK	0.61, 0.00, 0.96, 0.47
HSL	98°, 93%, 27%
HSV	98°, 96%, 53%
XYZ	10.1595, 18.0958, 3.1012
YIQ	95.6620, -7.1420, -57.8140

Conversions

Conversions Part 2

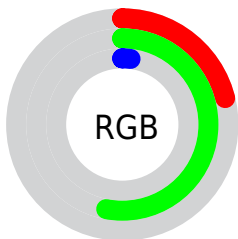
Format	Color
RYB	5, 135, 87
Decimal	3507973
CIELab	49.61, -45.52, 52.05
CIELCh	50, 69.144, 131.173
Yxy	18.0958, 0.3240, 0.5771
Android (android.graphics.Color)	4281698053 (0xFF358705)
YUV	95.6620, -44.6964, -37.4146
Hunter-Lab	42.5392, -31.8130, 25.4551

Details

The Yxy color **18.0958, 0.3240, 0.5771** is a dark color, and the websafe version is hex **339900**. A complement of this color would be **3.8856, 0.2356, 0.1095**, and the grayscale version is **11.7233, 0.3127, 0.3290**.

A 20% lighter version of the original color is **40.1275, 0.3306, 0.5167**, and **6.3406, 0.3000, 0.6000** is the 20% darker color. If you saturate the color by 10%, you get **18.0026, 0.3225, 0.5822**, and if you desaturate by 10%, it is **18.3826, 0.3283, 0.5623**.

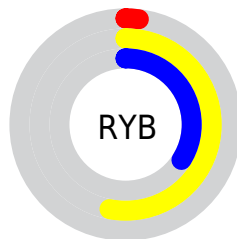
Distribution



Red (21%)

Green (53%)

Blue (2%)



Red (2%)

Yellow (53%)

Blue (34%)

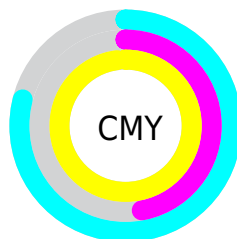


Cyan (61%)

Magenta (0%)

Yellow (96%)

Black (47%)



Cyan (79%)


Magenta (47%)

Yellow (98%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 18.0958, 0.3240, 0.5771 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 18.0958, 0.3240, 0.5771 by changing the saturation by 10% instead.


 18.0958, 0.3240,
0.5771


 18.0958, 0.3240,
0.5771


241.4105, 0.3290,
0.4274


 11.0188, 0.3140,
0.6214


 40.2005, 0.3308,
0.5166


 6.0795, 0.3014,
0.6986

 55.9970, 0.3315,
0.4956

 2.8935, 0.2486,
0.7514

 75.4687, 0.3316,
0.4786

 1.0764, 0.0000,
1.0000


 99.0002, 0.3313,
0.4646

 0.0000, 0.0000,
0.0000

 126.9756, 0.3308,
0.4530


 159.7796, 0.3302,


0.4431

 197.7964, 0.3296,
0.4347


 18.0958, 0.3240,
0.5771


 18.0958, 0.3240,
0.5771

 18.0026, 0.3225,
0.5822

 18.3826, 0.3283,
0.5623

 18.7364, 0.3313,
0.5420

 19.1652, 0.3326,
0.5168

 19.6741, 0.3323,
0.4882

 20.2676, 0.3306,
0.4579

■ 20.9500, 0.3277,
0.4274

■ 21.7249, 0.3241,
0.3977

■ 22.5961, 0.3199,
0.3698

■ 23.5668, 0.3155,
0.3440

Harmonies

Analogous

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



18.0958, 0.4344, 0.5287



18.0958, 0.3240, 0.5771



18.0958, 0.2163, 0.5013

Triad

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



18.0958, 0.3240, 0.5771



18.0958, 0.1233, 0.1660



18.0958, 0.5092, 0.2811

Complementary

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



18.0958, 0.3240, 0.5771



3.8856, 0.2356, 0.1095

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.



18.0958, 0.3822, 0.2154



18.0958, 0.3240, 0.5771



18.0958, 0.1668, 0.1527

Square

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



18.0958, 0.3240, 0.5771



18.0958, 0.1143, 0.2213



18.0958, 0.2531, 0.1702



18.0958, 0.5614, 0.3559

Rectangle

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



18.0958, 0.3240, 0.5771



18.0958, 0.1614, 0.3937



18.0958, 0.2531, 0.1702



18.0958, 0.4721, 0.2577

Sweetspot

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



18.0966, 0.3240, 0.5771



38.4174, 0.3254, 0.4075



11.6867, 0.4980, 0.4382



8.7772, 0.3267, 0.4187



69.2071, 0.3127, 0.3290



10.0482, 0.3127, 0.3290

Same Dimension

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



18.0966, 0.3240, 0.5771



32.1531, 0.3210, 0.5833



17.4123, 0.2968, 0.5837



5.2823, 0.3168, 0.3511



16.6070, 0.3227, 0.5820



0.0614, 0.3566, 0.5551

Inverse Universe

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



3.8856, 0.2356, 0.1095



6.5123, 0.2304, 0.1043



6.6122, 0.3503, 0.1725



4.6792, 0.3083, 0.3072



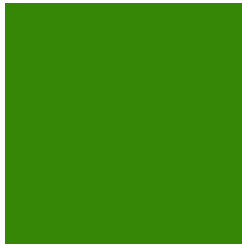
3.4090, 0.2325, 0.1055



0.0160, 0.2738, 0.1282

Previews

White Background



This preview shows how the Yxy color 18.0958, 0.3240, 0.5771 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 18.0958, 0.3240, 0.5771 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 18.0958, 0.3240, 0.5771

Background



This preview shows how black text looks on a background with the Yxy color 18.0958, 0.3240, 0.5771.



This preview shows how white text looks on a background with the Yxy color 18.0958, 0.3240, 0.5771.

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

18.0958, 0.3240, 0.5771

Protanopia

17.8624, 0.4387, 0.4899

Deuteranopia

17.7535, 0.4586, 0.4494



Tritanopia

17.9407, 0.2505, 0.3061

Trichromacy



Original Color

18.0958, 0.3240, 0.5771

Protanomaly

17.3033, 0.3902, 0.5269

Deuteranomaly

16.9942, 0.4031, 0.5018

Tritanomaly

17.5984, 0.2872, 0.4238

Monochromacy



Original Color

18.0958, 0.3240, 0.5771

Achromatopsia

11.6971, 0.3127, 0.3290

Achromatomaly

13.2162, 0.3289, 0.4445

CSS Examples

Text

The CSS property to change the color of the text to Yxy 18.0958, 0.3240, 0.5771 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(53, 135, 5)` looks like.

```
.text, #text, p{  
    color:rgb(53, 135, 5)  
}
```

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(53, 135, 5) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(53, 135, 5) }
```

Border

The CSS property to change the border of an element to Yxy 18.0958, 0.3240, 0.5771 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(53, 135, 5) }
```

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

```
.border{ border-color:rgb(53, 135, 5) }
```

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

Here you see how a box with a 4 pixel `rgb(53, 135, 5)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(53, 135, 5); -webkit-box-  
shadow:4px 4px 4px 4px rgb(53, 135, 5);  
box-shadow:4px 4px 4px 4px rgb(53, 135, 5)  
}
```


Background

The CSS property to change the background color of an element to Yxy 18.0958, 0.3240, 0.5771 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(53, 135, 5) }
```

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

```
.background{ background-color: rgb(53, 135,  
5) }
```

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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