

Converting Colors

$Y_{xy}(18.2880, 0.3187, 0.5852)$

Have a look what the booklet for
Yxy(18.2880, 0.3187, 0.5852)
contains.

Yxy(18.1662, 0.3185, 0.5853)	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(18.1662, 0.3185, 0.5853)

Conversions

Conversions Part 1

Format	Color
Hex	2D8800
RGB	45, 136, 0
RGB Percent	18%, 53%, 0%
CMY	0.8236, 0.4666, 0.9999
CMYK	0.67, 0.00, 1.00, 0.47
HSL	100°, 100%, 27%
HSV	100°, 100%, 53%
XYZ	9.8854, 18.1662, 2.9858
YIQ	93.2870, -10.5800, -61.5880

Conversions

Conversions Part 2

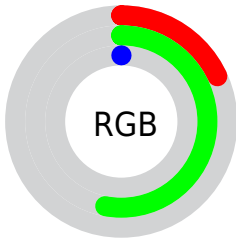
Format	Color
RYB	0, 136, 91
Decimal	2983936
CIELab	49.70, -48.04, 52.96
CIELCh	50, 71.502, 132.211
Yxy	18.1662, 0.3185, 0.5853
Android (android.graphics.Color)	4281174016 (0xFF2D8800)
YUV	93.2870, -45.9905, -42.3477
Hunter-Lab	42.6218, -33.1881, 25.6818

Details

The Yxy color **18.1662, 0.3185, 0.5853** is a dark color, and the websafe version is hex **339900**. A complement of this color would be **4.0053, 0.2409, 0.1101**, and the grayscale version is **11.1278, 0.3127, 0.3290**.

A 20% lighter version of the original color is **40.2235, 0.3274, 0.5221**, and **6.4970, 0.3000, 0.6000** is the 20% darker color. If you saturate the color by 10%, you get **18.1666, 0.3185, 0.5853**, and if you desaturate by 10%, it is **18.4267, 0.3228, 0.5715**.

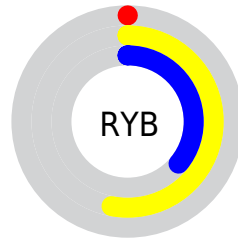
Distribution



Red (18%)

Green (53%)

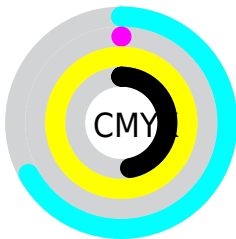
Blue (0%)



Red (0%)

Yellow (53%)

Blue (36%)

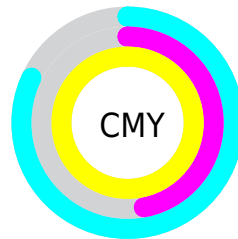


Cyan (67%)

Magenta (0%)

Yellow (100%)

Black (47%)



Cyan (82%)


Magenta (47%)


Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 18.1662, 0.3185, 0.5853 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 18.1662, 0.3185, 0.5853 by changing the saturation by 10% instead.


 18.1662, 0.3185,
0.5853


 18.1662, 0.3185,
0.5853


241.8062, 0.3273,
0.4303


 11.0694, 0.3070,
0.6310


 40.3203, 0.3271,
0.5227


 6.1135, 0.2912,
0.7088

 56.1464, 0.3284,
0.5009


 2.9142, 0.2362,
0.7638

 75.6510, 0.3288,
0.4833

 1.0871, 0.0000,
1.0000


 99.2186, 0.3289,
0.4689


 0.0000, 0.0000,
0.0000

 127.2335, 0.3286,
0.4568


 160.0801, 0.3282,

0.4466

 198.1429, 0.3278,
0.4379


 18.1662, 0.3185,
0.5853


 18.1662, 0.3185,
0.5853

 18.1666, 0.3185,
0.5853

 18.4267, 0.3228,
0.5715

 18.7526, 0.3264,
0.5531

 19.1573, 0.3286,
0.5291

 19.6467, 0.3292,
0.5011

 20.2260, 0.3284,
0.4707

■ 20.8998, 0.3265,
0.4395

■ 21.6726, 0.3237,
0.4090

■ 22.5484, 0.3203,
0.3801

■ 23.5310, 0.3166,
0.3533

Harmonies

Analogous

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



18.1662, 0.4317, 0.5355



18.1662, 0.3185, 0.5853



18.1662, 0.2094, 0.5027

Triad

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



18.1662, 0.3185, 0.5853



18.1662, 0.1202, 0.1609



18.1662, 0.5188, 0.2817

Complementary

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



18.1662, 0.3185, 0.5853



4.0053, 0.2409, 0.1101

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.



18.1662, 0.3891, 0.2145



18.1662, 0.3185, 0.5853



18.1662, 0.1655, 0.1489

Square

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



18.1662, 0.3185, 0.5853



18.1662, 0.1097, 0.2148



18.1662, 0.2551, 0.1677



18.1662, 0.5682, 0.3574

Rectangle

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



18.1662, 0.3185, 0.5853



18.1662, 0.1547, 0.3895



18.1662, 0.2551, 0.1677



18.1662, 0.4814, 0.2579

Sweetspot

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



18.1670, 0.3185, 0.5853



38.0940, 0.3239, 0.4110



12.6619, 0.4910, 0.4483



8.7027, 0.3250, 0.4221



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.



18.1670, 0.3185, 0.5853



31.9353, 0.3171, 0.5864



17.6705, 0.2950, 0.5820



5.6833, 0.3163, 0.3512



17.1974, 0.3186, 0.5852



0.1216, 0.3515, 0.5591

Inverse Universe

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



4.0053, 0.2409, 0.1101



6.9697, 0.2393, 0.1092



6.4351, 0.3668, 0.1794



5.0476, 0.3088, 0.3071



3.7950, 0.2411, 0.1102



0.0332, 0.2793, 0.1312

Previews

White Background



This preview shows how the Yxy color 18.1662, 0.3185, 0.5853 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 18.1662, 0.3185, 0.5853 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 18.1662, 0.3185, 0.5853

Background



This preview shows how black text looks on a background with the Yxy color 18.1662, 0.3185, 0.5853.



This preview shows how white text looks on a background with the Yxy color 18.1662, 0.3185, 0.5853.

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

18.1662, 0.3185, 0.5853

Protanopia

17.9434, 0.4400, 0.4888

Deuteranopia

17.9729, 0.4572, 0.4508



Tritanopia

18.0674, 0.2469, 0.3061

Trichromacy



Original Color

18.1662, 0.3185, 0.5853

Protanomaly

17.4339, 0.3869, 0.5310

Deuteranomaly

17.0979, 0.3999, 0.5064

Tritanomaly

17.6775, 0.2839, 0.4293

Monochromacy



Original Color

18.1662, 0.3185, 0.5853

Achromatopsia

10.9462, 0.3127, 0.3290

Achromatomaly

12.7895, 0.3282, 0.4544

CSS Examples

Text

The CSS property to change the color of the text to Yxy 18.1662, 0.3185, 0.5853 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(45, 136, 0)` looks like.

```
.text, #text, p{  
    color:rgb(45, 136, 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(45, 136, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(45, 136, 0) }
```

Border

The CSS property to change the border of an element to Yxy 18.1662, 0.3185, 0.5853 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(45, 136, 0) }
```

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

```
.border{ border-color:rgb(45, 136, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(45, 136, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(45, 136, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(45, 136, 0);  
box-shadow:4px 4px 4px 4px rgb(45, 136, 0)  
}
```


Background

The CSS property to change the background color of an element to Yxy 18.1662, 0.3185, 0.5853 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(45, 136, 0) }
```

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

```
.background{ background-color: rgb(45, 136,  
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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor