

Converting Colors

$Y_{xy}(17.8002, 0.3317, 0.6415)$

Have a look what the booklet for
Yxy(17.8002, 0.3317, 0.6415)
contains.

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Color

Yxy(18.0594, 0.3151, 0.5880)

Conversions

Conversions Part 1

Format	Color
Hex	288800
RGB	40, 136, 0
RGB Percent	16%, 53%, 0%
CMY	0.8433, 0.4666, 0.9999
CMYK	0.71, 0.00, 1.00, 0.47
HSL	102°, 100%, 27%
HSV	102°, 100%, 53%
XYZ	9.6777, 18.0594, 2.9761
YIQ	91.7920, -13.5600, -62.6480

Conversions

Conversions Part 2

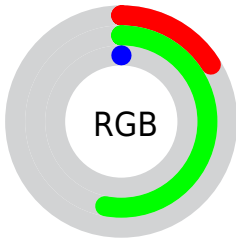
Format	Color
RYB	0, 136, 96
Decimal	2656256
CIELab	49.57, -49.14, 52.80
CIELCh	50, 72.132, 132.943
Yxy	18.0594, 0.3151, 0.5880
Android (android.graphics.Color)	4280846336 (0xFF288800)
YUV	91.7920, -45.2535, -45.4216
Hunter-Lab	42.4964, -33.7186, 25.5952

Details

The Yxy color **18.0594, 0.3151, 0.5880** is a dark color, and the websafe version is hex **339900**. A complement of this color would be **4.2695, 0.2495, 0.1148**, and the grayscale version is **10.7582, 0.3127, 0.3290**.

A 20% lighter version of the original color is **39.9870, 0.3245, 0.5240**, and **6.4970, 0.3000, 0.6000** is the 20% darker color. If you saturate the color by 10%, you get **18.0598, 0.3151, 0.5880**, and if you desaturate by 10%, it is **18.3076, 0.3191, 0.5742**.

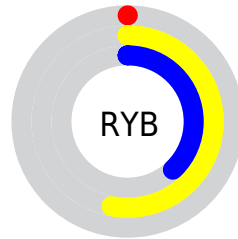
Distribution



Red (16%)

Green (53%)

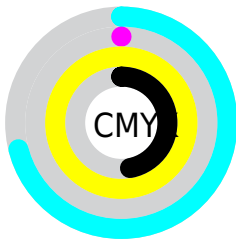
Blue (0%)



Red (0%)

Yellow (53%)

Blue (38%)

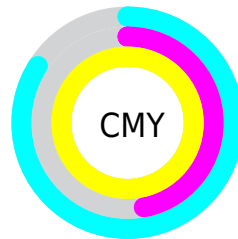


Cyan (71%)

Magenta (0%)

Yellow (100%)

Black (47%)



Cyan (84%)


Magenta (47%)


Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 18.0594, 0.3151, 0.5880 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 18.0594, 0.3151, 0.5880 by changing the saturation by 10% instead.


 18.0594, 0.3151,
0.5880


 18.0594, 0.3151,
0.5880


241.2056, 0.3260,
0.4309


 10.9926, 0.3029,
0.6346


 40.1385, 0.3245,
0.5243


 6.0619, 0.2861,
0.7139

 55.9197, 0.3261,
0.5023

 2.8828, 0.2297,
0.7703

 75.3744, 0.3268,
0.4845

 1.0708, 0.0000,
1.0000


 98.8871, 0.3270,
0.4698


 0.0000, 0.0000,
0.0000


 126.8422, 0.3269,
0.4577


 159.6240, 0.3267,

0.4474


 197.6171, 0.3264,
0.4386


 18.0594, 0.3151,
0.5880


 18.0594, 0.3151,
0.5880


 18.0598, 0.3151,
0.5880

 18.3076, 0.3191,
0.5742

 18.6250, 0.3228,
0.5557

 19.0257, 0.3251,
0.5313

 19.5161, 0.3260,
0.5028

 20.1017, 0.3257,
0.4719

■ 20.7876, 0.3242,
0.4403

■ 21.5786, 0.3220,
0.4095

■ 22.4790, 0.3192,
0.3803

■ 23.4930, 0.3160,
0.3534

Harmonies

Analogous

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



18.0594, 0.4293, 0.5389



18.0594, 0.3151, 0.5880



18.0594, 0.2058, 0.5011

Triad

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



18.0594, 0.3151, 0.5880



18.0594, 0.1195, 0.1588



18.0594, 0.5234, 0.2828

Complementary

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



18.0594, 0.3151, 0.5880



4.2695, 0.2495, 0.1148

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.



18.0594, 0.3934, 0.2150



18.0594, 0.3151, 0.5880



18.0594, 0.1659, 0.1478

Square

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



18.0594, 0.3151, 0.5880



18.0594, 0.1081, 0.2116



18.0594, 0.2573, 0.1673



18.0594, 0.5704, 0.3590

Rectangle

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



18.0594, 0.3151, 0.5880



18.0594, 0.1517, 0.3857



18.0594, 0.2573, 0.1673



18.0594, 0.4861, 0.2588

Sweetspot

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



18.0602, 0.3151, 0.5880



37.9252, 0.3222, 0.4115



13.4573, 0.4825, 0.4551



8.6606, 0.3230, 0.4227



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.



18.0602, 0.3151, 0.5880



31.7521, 0.3138, 0.5891



17.6904, 0.2935, 0.5765



5.6748, 0.3158, 0.3513



17.0957, 0.3152, 0.5879



0.1204, 0.3466, 0.5630

Inverse Universe

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



4.2695, 0.2495, 0.1148



7.4394, 0.2480, 0.1140



6.3353, 0.3774, 0.1853



5.0565, 0.3094, 0.3071



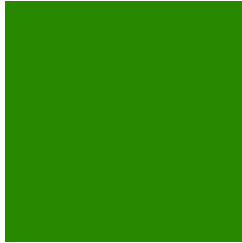
4.0446, 0.2497, 0.1149



0.0344, 0.2845, 0.1341

Previews

White Background



This preview shows how the Yxy color 18.0594, 0.3151, 0.5880 looks on a white background.

Color Contrast Check

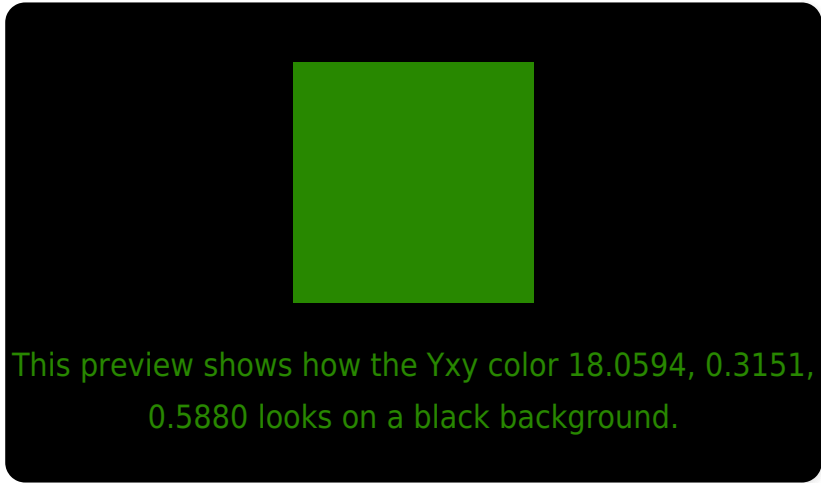
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

Black Background



Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

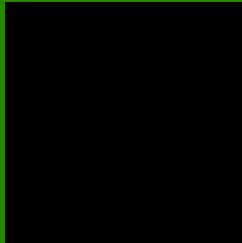
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 18.0594, 0.3151, 0.5880

Background



This preview shows how black text looks on a background with the Yxy color 18.0594, 0.3151, 0.5880.



This preview shows how white text looks on a background with the Yxy color 18.0594, 0.3151, 0.5880.

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

18.0594, 0.3151, 0.5880

Protanopia

17.8624, 0.4387, 0.4899

Deuteranopia

17.6606, 0.4573, 0.4502



Tritanopia

17.9568, 0.2447, 0.3059

Trichromacy



Original Color

18.0594, 0.3151, 0.5880

Protanomaly

17.3199, 0.3842, 0.5332

Deuteranomaly

16.6648, 0.3969, 0.5084

Tritanomaly

17.5529, 0.2806, 0.4302

Monochromacy



Original Color

18.0594, 0.3151, 0.5880

Achromatopsia

10.7023, 0.3127, 0.3290

Achromatomaly

12.4574, 0.3244, 0.4541

CSS Examples

Text

The CSS property to change the color of the text to Yxy 18.0594, 0.3151, 0.5880 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(40, 136, 0)` looks like.

```
.text, #text, p{  
    color:rgb(40, 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(40, 136, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(40, 136, 0) }
```

Border

The CSS property to change the border of an element to Yxy 18.0594, 0.3151, 0.5880 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(40, 136, 0) }
```

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

```
.border{ border-color:rgb(40, 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(40, 136, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(40, 136, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(40, 136, 0);  
box-shadow:4px 4px 4px 4px rgb(40, 136, 0)  
}
```


Background

The CSS property to change the background color of an element to Yxy 18.0594, 0.3151, 0.5880 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(40, 136, 0) }
```

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

```
.background{ background-color: rgb(40, 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](#).

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