

Converting Colors

$Y_{xy}(19.0851, 0.3518, 0.5589)$

Have a look what the booklet for
Yxy(19.0851, 0.3518, 0.5589)
contains.

Yxy(19.0334, 0.3516, 0.5590)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(19.0334, 0.3516, 0.5590)

Conversions

Conversions Part 1

Format	Color
Hex	508700
RGB	80, 135, 0
RGB Percent	31%, 53%, 0%
CMY	0.6863, 0.4706, 0.9998
CMYK	0.41, 0.00, 1.00, 0.47
HSL	84°, 100%, 26%
HSV	84°, 100%, 53%
XYZ	11.9716, 19.0334, 3.0440
YIQ	103.1650, 10.5550, -53.6450

Conversions

Conversions Part 2

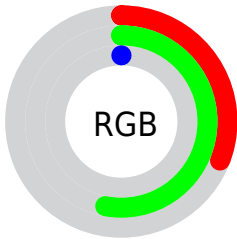
Format	Color
RYB	0, 135, 55
Decimal	5277440
CIELab	50.73, -36.98, 54.34
CIELCh	51, 65.733, 124.233
Yxy	19.0334, 0.3516, 0.5590
Android (android.graphics.Color)	4283467520 (0xFF508700)
YUV	103.1650, -50.8603, -20.3157
Hunter-Lab	43.6273, -27.3661, 26.4023

Details

The Yxy color **19.0334, 0.3516, 0.5590** is a dark color, and the websafe version is hex **669900**. A complement of this color would be **2.5646, 0.1883, 0.0811**, and the grayscale version is **13.7460, 0.3127, 0.3290**.

A 20% lighter version of the original color is **41.9394, 0.3522, 0.5064**, and **6.6912, 0.3175, 0.5861** is the 20% darker color. If you saturate the color by 10%, you get **19.0332, 0.3516, 0.5590**, and if you desaturate by 10%, it is **19.3141, 0.3549, 0.5469**.

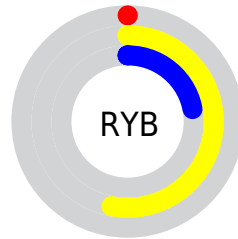
Distribution



Red (31%)

Green (53%)

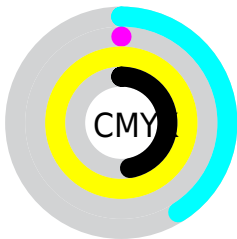
Blue (0%)



Red (0%)

Yellow (53%)

Blue (22%)

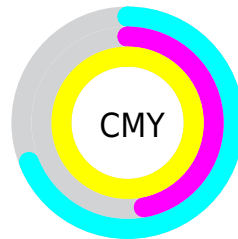


Cyan (41%)

Magenta (0%)

Yellow (100%)

Black (47%)



Cyan (69%)


Magenta (47%)

Yellow (100%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 19.0334, 0.3516, 0.5590 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 19.0334, 0.3516, 0.5590 by changing the saturation by 10% instead.


 19.0334, 0.3516,
0.5590


 19.0334, 0.3516,
0.5590


246.6331, 0.3405,
0.4241


 11.6944, 0.3466,
0.5964


 41.7905, 0.3519,
0.5060


 6.5360, 0.3409,
0.6591


 57.9775, 0.3504,
0.4871

 3.1736, 0.2997,
0.7003

 77.8825, 0.3486,
0.4717

 1.2230, 0.1559,
0.8441

 101.8900, 0.3468,
0.4588


 0.0804, 0.0000,
1.0000

 130.3845, 0.3451,
0.4480

 0.0000, 0.0000,
0.0000


 163.7502, 0.3434,


0.4389


 202.3716, 0.3419,
0.4310


 19.0334, 0.3516,
0.5590


 19.0334, 0.3516,
0.5590


 19.0332, 0.3516,
0.5590

 19.3141, 0.3549,
0.5469

 19.6324, 0.3567,
0.5314

 20.0001, 0.3562,
0.5113

 20.4209, 0.3536,
0.4875

 20.8984, 0.3491,
0.4612

■ 21.4354, 0.3431,
0.4336

■ 22.0349, 0.3361,
0.4058

■ 22.6994, 0.3285,
0.3787

■ 23.4313, 0.3206,
0.3530

Harmonies

Analogous

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



19.0334, 0.4539, 0.5025



19.0334, 0.3516, 0.5590



19.0334, 0.2456, 0.5159

Triad

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



19.0334, 0.3516, 0.5590



19.0334, 0.1268, 0.1826



19.0334, 0.4735, 0.2691

Complementary

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



19.0334, 0.3516, 0.5590



2.5646, 0.1883, 0.0811

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.



19.0334, 0.3483, 0.2090



19.0334, 0.3516, 0.5590



19.0334, 0.1609, 0.1610

Square

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



19.0334, 0.3516, 0.5590



19.0334, 0.1262, 0.2488



19.0334, 0.2339, 0.1712



19.0334, 0.5438, 0.3404

Rectangle

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



19.0334, 0.3516, 0.5590



19.0334, 0.1865, 0.4255



19.0334, 0.2339, 0.1712



19.0334, 0.4345, 0.2472

Sweetspot

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



19.0342, 0.3516, 0.5590



39.3777, 0.3367, 0.4078



7.7926, 0.5652, 0.3893



9.0258, 0.3393, 0.4179



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.



19.0342, 0.3516, 0.5590



33.9873, 0.3502, 0.5601



17.4191, 0.3032, 0.5974



5.3309, 0.3199, 0.3509



17.5577, 0.3518, 0.5589



0.0651, 0.3825, 0.5345

Inverse Universe

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



2.5646, 0.1883, 0.0811



4.4999, 0.1861, 0.0799



5.8523, 0.2965, 0.1407



4.6304, 0.3050, 0.3070



2.3704, 0.1886, 0.0812



0.0123, 0.2378, 0.1084

Previews

White Background



This preview shows how the Yxy color 19.0334, 0.3516, 0.5590 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 19.0334, 0.3516, 0.5590 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

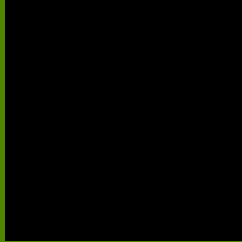
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 19.0334, 0.3516, 0.5590

Background



This preview shows how black text looks on a background with the Yxy color 19.0334, 0.3516, 0.5590.



This preview shows how white text looks on a background with the Yxy color 19.0334, 0.3516, 0.5590.

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

19.0334, 0.3516, 0.5590

Protanopia

18.9090, 0.4396, 0.4892

Deuteranopia

18.7892, 0.4606, 0.4516



Tritanopia

18.8777, 0.2685, 0.3072

Trichromacy



Original Color

19.0334, 0.3516, 0.5590

Protanomaly

18.6347, 0.4059, 0.5159

Deuteranomaly

18.3952, 0.4198, 0.4930

Tritanomaly

18.5623, 0.3118, 0.4197

Monochromacy



Original Color

19.0334, 0.3516, 0.5590

Achromatopsia

13.5633, 0.3127, 0.3290

Achromatomaly

15.0877, 0.3444, 0.4391

CSS Examples

Text

The CSS property to change the color of the text to Yxy 19.0334, 0.3516, 0.5590 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(80, 135, 0)` looks like.

```
.text, #text, p{  
    color:rgb(80, 135, 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(80, 135, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(80, 135, 0) }
```

Border

The CSS property to change the border of an element to Yxy 19.0334, 0.3516, 0.5590 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(80, 135, 0) }
```

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

```
.border{ border-color:rgb(80, 135, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(80, 135, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(80, 135, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(80, 135, 0);  
box-shadow:4px 4px 4px 4px rgb(80, 135, 0)  
}
```


Background

The CSS property to change the background color of an element to Yxy 19.0334, 0.3516, 0.5590 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(80, 135, 0) }
```

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

```
.background{ background-color: rgb(80, 135,  
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