

Converting Colors

$Y_{xy}(19.5136, 0.3290, 0.5752)$

Have a look what the booklet for
Yxy(19.5136, 0.3290, 0.5752)
contains.

Yxy(19.4325, 0.3288, 0.5750)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

$Y_{xy}(19.4325, 0.3288, 0.5750)$

Conversions

Conversions Part 1

Format	Color
Hex	3C8B03
RGB	60, 139, 3
RGB Percent	24%, 55%, 1%
CMY	0.7648, 0.4549, 0.9882
CMYK	0.57, 0.00, 0.98, 0.45
HSL	95°, 96%, 28%
HSV	95°, 98%, 55%
XYZ	11.1120, 19.4325, 3.2511
YIQ	99.8750, -3.4280, -59.0440

Conversions

Conversions Part 2

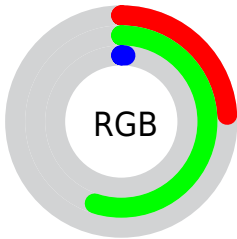
Format	Color
R_{YB}	3, 139, 82
Decimal	3967747
CIE Lab	51.19, -45.12, 53.80
CIE LCh	51, 70.215, 129.989
Yxy	19.4325, 0.3288, 0.5750
Android (android.graphics.Color)	4282157827 (0xFF3C8B03)
YUV	99.8750, -47.7594, -34.9704
Hunter-Lab	44.0823, -32.1488, 26.4849

Details

The Yxy color **19.4325, 0.3288, 0.5750** is a dark color, and the websafe version is hex **339900**. A complement of this color would be **3.7241, 0.2233, 0.1017**, and the grayscale version is **12.8350, 0.3127, 0.3290**.

A 20% lighter version of the original color is **42.3392, 0.3348, 0.5164**, and **6.9794, 0.3000, 0.6000** is the 20% darker color. If you saturate the color by 10%, you get **19.3733, 0.3279, 0.5779**, and if you desaturate by 10%, it is **19.7379, 0.3332, 0.5611**.

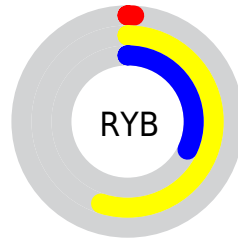
Distribution



Red (24%)

Green (55%)

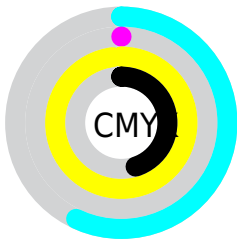
Blue (1%)



Red (1%)

Yellow (55%)

Blue (32%)

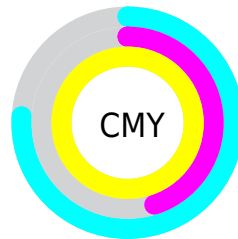


Cyan (57%)

Magenta (0%)

Yellow (98%)

Black (45%)



Cyan (76%)

Magenta (45%)


Yellow (99%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 19.4325, 0.3288, 0.5750 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 19.4325, 0.3288, 0.5750 by changing the saturation by 10% instead.


 19.4325, 0.3288,
0.5750


 19.4325, 0.3288,
0.5750

248.8261, 0.3312,
0.4285


 11.9832, 0.3198,
0.6171


 42.4637, 0.3345,
0.5166


 6.7322, 0.3093,
0.6907


 58.8143, 0.3349,
0.4960

 3.2952, 0.2607,
0.7393

 78.9009, 0.3347,
0.4793

 1.2877, 0.0556,
0.9444

 103.1077, 0.3342,
0.4656

 0.1317, 0.0000,
1.0000

 131.8193, 0.3335,
0.4540

 0.0000, 0.0000,
0.0000


 165.4199, 0.3328,


0.4442


 204.2941, 0.3320,
0.4358


 19.4325, 0.3288,
0.5750

 19.4325, 0.3288,
0.5750

 19.3733, 0.3279,
0.5779

 19.7379, 0.3332,
0.5611

 20.1066, 0.3363,
0.5422

 20.5485, 0.3375,
0.5184

 21.0686, 0.3369,
0.4910

 21.6714, 0.3347,
0.4615

■ 22.3610, 0.3312,
0.4314

■ 23.1413, 0.3269,
0.4020

■ 24.0158, 0.3220,
0.3739

■ 24.9878, 0.3168,
0.3479

Harmonies

Analogous

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



19.4325, 0.4382, 0.5244



19.4325, 0.3288, 0.5750



19.4325, 0.2211, 0.5051

Triad

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



19.4325, 0.3288, 0.5750



19.4325, 0.1233, 0.1683



19.4325, 0.5037, 0.2788

Complementary

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



19.4325, 0.3288, 0.5750



3.7241, 0.2233, 0.1017

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.



19.4325, 0.3762, 0.2139



19.4325, 0.3288, 0.5750



19.4325, 0.1652, 0.1536

Square

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



19.4325, 0.3288, 0.5750



19.4325, 0.1157, 0.2255



19.4325, 0.2493, 0.1699



19.4325, 0.5595, 0.3531

Rectangle

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



19.4325, 0.3288, 0.5750



19.4325, 0.1652, 0.3997



19.4325, 0.2493, 0.1699



19.4325, 0.4660, 0.2556

Sweetspot

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



19.4333, 0.3288, 0.5750



41.1769, 0.3277, 0.4072



11.2436, 0.5143, 0.4271



9.3641, 0.3294, 0.4183



71.0566, 0.3127, 0.3290



10.6539, 0.3127, 0.3290

Same Dimension

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



19.4333, 0.3288, 0.5750



34.5989, 0.3264, 0.5790



18.5125, 0.2985, 0.5918



5.7039, 0.3175, 0.3512



17.4939, 0.3282, 0.5776



0.1245, 0.3628, 0.5501

Inverse Universe

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



3.7241, 0.2233, 0.1017



6.3530, 0.2191, 0.0981



7.1646, 0.3375, 0.1644



5.0263, 0.3075, 0.3070



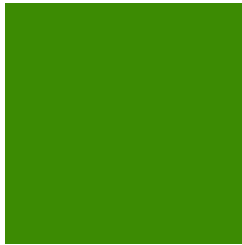
3.2619, 0.2215, 0.0994



0.0303, 0.2663, 0.1241

Previews

White Background



This preview shows how the Yxy color 19.4325, 0.3288, 0.5750 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 19.4325, 0.3288, 0.5750 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 19.4325, 0.3288, 0.5750

Background



This preview shows how black text looks on a background with the Yxy color 19.4325, 0.3288, 0.5750.



This preview shows how white text looks on a background with the Yxy color 19.4325, 0.3288, 0.5750.

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

19.4325, 0.3288, 0.5750

Protanopia

19.2374, 0.4394, 0.4893

Deuteranopia

19.1225, 0.4592, 0.4506



Tritanopia

19.3433, 0.2535, 0.3069

Trichromacy



Original Color

19.4325, 0.3288, 0.5750

Protanomaly

18.6917, 0.3939, 0.5248

Deuteranomaly

18.3877, 0.4065, 0.5003

Tritanomaly

18.9297, 0.2914, 0.4249

Monochromacy



Original Color

19.4325, 0.3288, 0.5750

Achromatopsia

12.7438, 0.3127, 0.3290

Achromatomaly

14.3476, 0.3321, 0.4446

CSS Examples

Text

The CSS property to change the color of the text to Yxy 19.4325, 0.3288, 0.5750 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(60, 139, 3)` looks like.

```
.text, #text, p{  
    color:rgb(60, 139, 3)  
}
```

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(60, 139, 3) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(60, 139, 3) }
```

Border

The CSS property to change the border of an element to Yxy 19.4325, 0.3288, 0.5750 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(60, 139, 3) }
```

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

```
.border{ border-color:rgb(60, 139, 3) }
```

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

Here you see how a box with a 4 pixel `rgb(60, 139, 3)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(60, 139, 3); -webkit-box-  
shadow:4px 4px 4px 4px rgb(60, 139, 3);  
box-shadow:4px 4px 4px 4px rgb(60, 139, 3)  
}
```


Background

The CSS property to change the background color of an element to Yxy 19.4325, 0.3288, 0.5750 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(60, 139, 3) }
```

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

```
.background{ background-color: rgb(60, 139,  
3) }
```

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