

Converting Colors

$Y_{xy}(19.0809, 0.3036, 0.5621)$

Have a look what the booklet for
Yxy(19.0809, 0.3036, 0.5621)
contains.

Yxy(18.9501, 0.3033, 0.5616)	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(18.9501, 0.3033, 0.5616)

Conversions

Conversions Part 1

Format	Color
Hex	248B21
RGB	36, 139, 33
RGB Percent	14%, 55%, 13%
CMY	0.8589, 0.4549, 0.8705
CMYK	0.74, 0.00, 0.76, 0.45
HSL	118°, 62%, 34%
HSV	118°, 76%, 55%
XYZ	10.2343, 18.9501, 4.5587
YIQ	96.1190, -27.3620, -54.8020

Conversions

Conversions Part 2

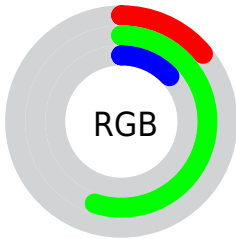
Format	Color
R_{YB}	33, 139, 136
Decimal	2394913
CIE _{Lab}	50.63, -49.32, 45.43
CIE _{LCh}	51, 67.056, 137.352
Yxy	18.9501, 0.3033, 0.5616
Android (android.graphics.Color)	4280584993 (0xFF248B21)
YUV	96.1190, -31.1177, -52.7244
Hunter-Lab	43.5317, -34.2153, 24.2633

Details

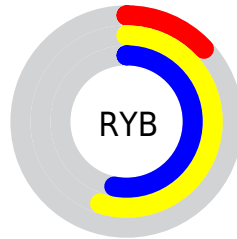
The Yxy color **18.9501, 0.3033, 0.5616** is a dark color, and the websafe version is hex **339933**. A complement of this color would be **8.1919, 0.3152, 0.1680**, and the grayscale version is **11.8090, 0.3127, 0.3290**.

A 20% lighter version of the original color is **41.8361, 0.3125, 0.5034**, and **6.8164, 0.3000, 0.6000** is the 20% darker color. If you saturate the color by 10%, you get **18.6896, 0.3020, 0.5822**, and if you desaturate by 10%, it is **19.3361, 0.3048, 0.5341**.

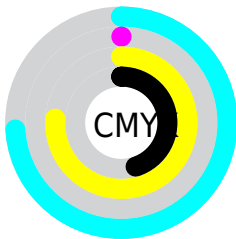
Distribution



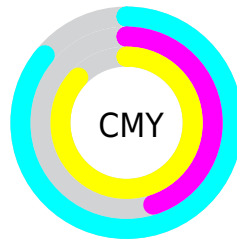
- Red (14%)
- Green (55%)
- Blue (13%)



- Red (13%)
- Yellow (55%)
- Blue (53%)



- Cyan (74%)
- Magenta (0%)
- Yellow (76%)
- Black (45%)





- Cyan (86%)
- Magenta (45%)
- Yellow (87%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 18.9501, 0.3033, 0.5616 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 18.9501, 0.3033, 0.5616 by changing the saturation by 10% instead.


 18.9501, 0.3033,
0.5616


 18.9501, 0.3033,
0.5616

246.1731, 0.3176,
0.4195


 11.6342, 0.2928,
0.6063


 41.6498, 0.3125,
0.5030


 6.4951, 0.2745,
0.6721


 57.8023, 0.3146,
0.4831


 3.1484, 0.2361,
0.7639

 77.6693, 0.3158,
0.4671

 1.2097, 0.0000,
1.0000

 101.6350, 0.3166,
0.4541

 0.0696, 0.0000,
1.0000

 130.0838, 0.3171,
0.4432

 0.0000, 0.0000,
0.0000

 163.4002, 0.3174,

0.4341

201.9685, 0.3175,
0.4263

■ 18.9501, 0.3033,
0.5616

■ 18.9501, 0.3033,
0.5616

■ 18.6896, 0.3020,
0.5822

■ 19.3361, 0.3048,
0.5341

■ 18.5355, 0.3010,
0.5952

■ 19.8582, 0.3064,
0.5019

■ 18.4913, 0.3008,
0.5993

■ 20.5283, 0.3079,
0.4676

■ 21.3564, 0.3092,
0.4333

■ 22.3518, 0.3104,
0.4008

■ 23.5230, 0.3114,
0.3709

■ 24.8778, 0.3123,
0.3441

■ 26.4236, 0.3130,
0.3205

■ 28.1675, 0.3135,
0.3000

Harmonies

Analogous

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



18.9501, 0.4115, 0.5376



18.9501, 0.3033, 0.5616



18.9501, 0.2026, 0.4630

Triad

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



18.9501, 0.3033, 0.5616



18.9501, 0.1348, 0.1661



18.9501, 0.5186, 0.2984

Complementary

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



18.9501, 0.3033, 0.5616



8.1919, 0.3152, 0.1680

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.



18.9501, 0.4071, 0.2314



18.9501, 0.3033, 0.5616



18.9501, 0.1854, 0.1594

Square

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



18.9501, 0.3033, 0.5616



18.9501, 0.1195, 0.2107



18.9501, 0.2786, 0.1822



18.9501, 0.5512, 0.3733

Rectangle

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



18.9501, 0.3033, 0.5616



18.9501, 0.1550, 0.3594



18.9501, 0.2786, 0.1822



18.9501, 0.4880, 0.2749

Sweetspot

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



18.9509, 0.3033, 0.5616



40.5690, 0.3107, 0.3923



23.0589, 0.4132, 0.4848



9.2008, 0.3104, 0.4023



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.



18.9509, 0.3033, 0.5616



33.2645, 0.3012, 0.5916



19.4066, 0.2713, 0.4617



5.6144, 0.3120, 0.3515



16.6896, 0.3009, 0.5993



0.1116, 0.3050, 0.5960

Inverse Universe

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



8.1919, 0.3152, 0.1680



13.0017, 0.3145, 0.1540



7.3089, 0.4251, 0.2387



5.1220, 0.3133, 0.3074



6.3423, 0.3142, 0.1504



0.0432, 0.3178, 0.1524

Previews

White Background



This preview shows how the Yxy color 18.9501, 0.3033, 0.5616 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 18.9501, 0.3033, 0.5616 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 18.9501, 0.3033, 0.5616

Background



This preview shows how black text looks on a background with the Yxy color 18.9501, 0.3033, 0.5616.



This preview shows how white text looks on a background with the Yxy color 18.9501, 0.3033, 0.5616.

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

18.9501, 0.3033, 0.5616

Protanopia

18.6677, 0.4294, 0.4739

Deuteranopia

18.6060, 0.4444, 0.4383



Tritanopia

19.0170, 0.2426, 0.3084

Trichromacy



Original Color

18.9501, 0.3033, 0.5616

Protanomaly

17.9251, 0.3716, 0.5136

Deuteranomaly

17.5073, 0.3810, 0.4887

Tritanomaly

18.5269, 0.2672, 0.4021

Monochromacy



Original Color

18.9501, 0.3033, 0.5616

Achromatopsia

11.6971, 0.3127, 0.3290

Achromatomaly

13.5252, 0.3094, 0.4261

CSS Examples

Text

The CSS property to change the color of the text to Yxy 18.9501, 0.3033, 0.5616 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(36, 139, 33)` looks like.

```
.text, #text, p{  
    color:rgb(36, 139, 33)  
}
```

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(36, 139, 33) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(36, 139, 33) }
```

Border

The CSS property to change the border of an element to Yxy 18.9501, 0.3033, 0.5616 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(36, 139, 33) }
```

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

```
.border{ border-color:rgb(36, 139, 33) }
```

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

Here you see how a box with a 4 pixel `rgb(36, 139, 33)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(36, 139, 33); -webkit-box-  
shadow:4px 4px 4px 4px rgb(36, 139, 33);  
box-shadow:4px 4px 4px 4px rgb(36, 139,  
33) }
```


Background

The CSS property to change the background color of an element to Yxy 18.9501, 0.3033, 0.5616 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(36, 139, 33) }
```

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

```
.background{ background-color: rgb(36, 139,  
33) }
```

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