

Converting Colors

$Y_{xy}(19.1484, 0.3015, 0.5665)$

Have a look what the booklet for
Yxy(19.1484, 0.3015, 0.5665)
contains.

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Color

Yxy(19.1464, 0.3016, 0.5666)

Conversions

Conversions Part 1

Format	Color
Hex	1F8C1F
RGB	31, 140, 31
RGB Percent	12%, 55%, 12%
CMY	0.8782, 0.4510, 0.8785
CMYK	0.78, 0.00, 0.78, 0.45
HSL	120°, 64%, 34%
HSV	120°, 78%, 55%
XYZ	10.1916, 19.1464, 4.4538
YIQ	94.9830, -29.9750, -57.0070

Conversions

Conversions Part 2

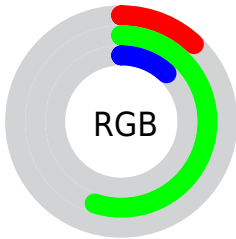
Format	Color
R_{YB}	31, 140, 140
Decimal	2067487
CIE _{Lab}	50.86, -50.64, 46.36
CIE _{LCh}	51, 68.658, 137.526
Yxy	19.1464, 0.3016, 0.5666
Android (android.graphics.Color)	4280257567 (0xFF1F8C1F)
YUV	94.9830, -31.5436, -56.1131
Hunter-Lab	43.7566, -34.9986, 24.5948

Details

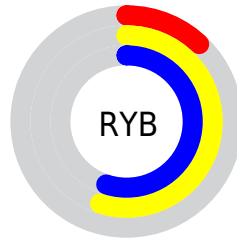
The Yxy color **19.1464, 0.3016, 0.5666** is a dark color, and the websafe version is hex **339933**. A complement of this color would be **8.4424, 0.3201, 0.1686**, and the grayscale version is **11.5258, 0.3127, 0.3290**.

A 20% lighter version of the original color is **42.1571, 0.3116, 0.5064**, and **6.9794, 0.3000, 0.6000** is the 20% darker color. If you saturate the color by 10%, you get **18.9163, 0.3007, 0.5857**, and if you desaturate by 10%, it is **19.5045, 0.3028, 0.5401**.

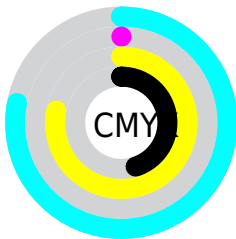
Distribution



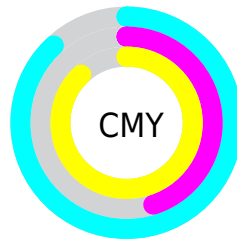
- Red (12%)
- Green (55%)
- Blue (12%)



- Red (12%)
- Yellow (55%)
- Blue (55%)



- Cyan (78%)
- Magenta (0%)
- Yellow (78%)
- Black (45%)



- Cyan (88%)
- Magenta (45%)
- Yellow (88%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 19.1464, 0.3016, 0.5666 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 19.1464, 0.3016, 0.5666 by changing the saturation by 10% instead.


 19.1464, 0.3016,
0.5666


 19.1464, 0.3016,
0.5666


247.2558, 0.3173,
0.4216


 11.7761, 0.2905,
0.6120


 41.9813, 0.3115,
0.5069


 6.5914, 0.2715,
0.6792


 58.2148, 0.3138,
0.4865


 3.2079, 0.2311,
0.7689

 78.1714, 0.3152,
0.4703

 1.2412, 0.0000,
1.0000

 102.2355, 0.3160,
0.4569

 0.0950, 0.0000,
1.0000

 130.7917, 0.3166,
0.4458

 0.0000, 0.0000,
0.0000

 164.2242, 0.3169,

0.4365

202.9174, 0.3171,
0.4285

19.1464, 0.3016,
0.5666

19.1464, 0.3016,
0.5666

18.9163, 0.3007,
0.5857

19.5045, 0.3028,
0.5401

18.7825, 0.3001,
0.5976

20.0028, 0.3043,
0.5084

18.7567, 0.3000,
0.6000

20.6547, 0.3059,
0.4741

21.4714, 0.3076,
0.4394

22.4630, 0.3091,
0.4062

■ 23.6388, 0.3105,
0.3756

■ 25.0076, 0.3118,
0.3482

■ 26.5775, 0.3129,
0.3241

■ 28.3560, 0.3139,
0.3031

Harmonies

Analogous

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



19.1464, 0.4114, 0.5411



19.1464, 0.3016, 0.5666



19.1464, 0.1998, 0.4652

Triad

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



19.1464, 0.3016, 0.5666



19.1464, 0.1326, 0.1634



19.1464, 0.5231, 0.2978

Complementary

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



19.1464, 0.3016, 0.5666



8.4424, 0.3201, 0.1686

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.



19.1464, 0.4096, 0.2301



19.1464, 0.3016, 0.5666



19.1464, 0.1838, 0.1571

Square

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



19.1464, 0.3016, 0.5666



19.1464, 0.1168, 0.2080



19.1464, 0.2785, 0.1803



19.1464, 0.5551, 0.3733

Rectangle

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



19.1464, 0.3016, 0.5666



19.1464, 0.1519, 0.3587



19.1464, 0.2785, 0.1803



19.1464, 0.4921, 0.2741

Sweetspot

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



19.1472, 0.3016, 0.5666



40.4706, 0.3098, 0.3924



23.9038, 0.4124, 0.4886



9.1763, 0.3093, 0.4026



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.



19.1472, 0.3016, 0.5666



33.1802, 0.3003, 0.5942



19.6823, 0.2699, 0.4607



5.6084, 0.3117, 0.3515



16.6663, 0.3000, 0.6000



0.1107, 0.3001, 0.5999

Inverse Universe

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



8.4424, 0.3201, 0.1686



13.4350, 0.3207, 0.1565



7.2481, 0.4334, 0.2409



5.1288, 0.3137, 0.3074



6.6298, 0.3208, 0.1541



0.0441, 0.3209, 0.1541

Previews

White Background



This preview shows how the Yxy color 19.1464, 0.3016, 0.5666 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 19.1464, 0.3016, 0.5666 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 19.1464, 0.3016, 0.5666

Background



This preview shows how black text looks on a background with the Yxy color 19.1464, 0.3016, 0.5666.



This preview shows how white text looks on a background with the Yxy color 19.1464, 0.3016, 0.5666.

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

19.1464, 0.3016, 0.5666

Protanopia

18.9002, 0.4292, 0.4767

Deuteranopia

18.6858, 0.4474, 0.4397



Tritanopia

18.9783, 0.2406, 0.3063

Trichromacy



Original Color

19.1464, 0.3016, 0.5666

Protanomaly

18.0636, 0.3692, 0.5186

Deuteranomaly

17.4317, 0.3811, 0.4922

Tritanomaly

18.7198, 0.2655, 0.4044

Monochromacy



Original Color

19.1464, 0.3016, 0.5666

Achromatopsia

11.4435, 0.3127, 0.3290

Achromatomaly

13.2145, 0.3081, 0.4274

CSS Examples

Text

The CSS property to change the color of the text to Yxy 19.1464, 0.3016, 0.5666 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(31, 140, 31)` looks like.

```
.text, #text, p{  
    color:rgb(31, 140, 31)  
}
```

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(31, 140, 31) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(31, 140, 31) }
```

Border

The CSS property to change the border of an element to Yxy 19.1464, 0.3016, 0.5666 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(31, 140, 31) }
```

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

```
.border{ border-color:rgb(31, 140, 31) }
```

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

Here you see how a box with a 4 pixel `rgb(31, 140, 31)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(31, 140, 31); -webkit-box-  
shadow:4px 4px 4px 4px rgb(31, 140, 31);  
box-shadow:4px 4px 4px 4px rgb(31, 140,  
31) }
```


Background

The CSS property to change the background color of an element to Yxy 19.1464, 0.3016, 0.5666 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(31, 140, 31) }
```

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

```
.background{ background-color: rgb(31, 140,  
31) }
```

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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