

Converting Colors

$Y_{xy}(19.2686, 0.2815, 0.5202)$

Have a look what the booklet for
Yxy(19.2686, 0.2815, 0.5202)
contains.

Yxy(19.1821, 0.2817, 0.5205)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

$Y_{xy}(19.1821, 0.2817, 0.5205)$

Conversions

Conversions Part 1

Format	Color
Hex	108C3B
RGB	16, 140, 59
RGB Percent	6%, 55%, 23%
CMY	0.9370, 0.4510, 0.7687
CMYK	0.89, 0.00, 0.58, 0.45
HSL	141°, 79%, 31%
HSV	141°, 89%, 55%
XYZ	10.3816, 19.1821, 7.2896
YIQ	93.6900, -47.9030, -51.4790

Conversions

Conversions Part 2

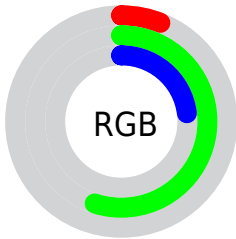
Format	Color
R _Y B	16, 108, 140
Decimal	1084475
CIE Lab	50.90, -49.35, 34.13
CIE LCh	51, 60.007, 145.331
Yxy	19.1821, 0.2817, 0.5205
Android (android.graphics.Color)	4279274555 (0xFF108C3B)
YUV	93.6900, -17.1022, -68.1341
Hunter-Lab	43.7974, -34.3345, 20.7900

Details

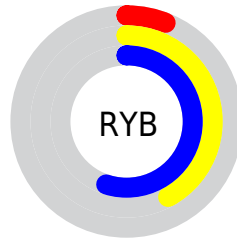
The Yxy color **19.1821, 0.2817, 0.5205** is a dark color, and the websafe version is hex **339933**. A complement of this color would be **6.8132, 0.4123, 0.2134**, and the grayscale version is **11.1709, 0.3127, 0.3290**.

A 20% lighter version of the original color is **42.1606, 0.2925, 0.4706**, and **6.9992, 0.2959, 0.5852** is the 20% darker color. If you saturate the color by 10%, you get **18.9987, 0.2841, 0.5411**, and if you desaturate by 10%, it is **19.4526, 0.2805, 0.4977**.

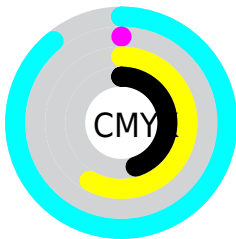
Distribution



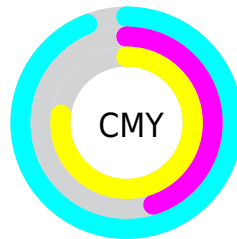
- Red (6%)
- Green (55%)
- Blue (23%)



- Red (6%)
- Yellow (42%)
- Blue (55%)



- Cyan (89%)
- Magenta (0%)
- Yellow (58%)
- Black (45%)





- Cyan (94%)
- Magenta (45%)
- Yellow (77%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 19.1821, 0.2817, 0.5205 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 19.1821, 0.2817, 0.5205 by changing the saturation by 10% instead.


 19.1821, 0.2817,
0.5205


 19.1821, 0.2817,
0.5205


247.4522, 0.3049,
0.4026


 11.8019, 0.2712,
0.5598


 42.0416, 0.2930,
0.4709

 6.6090, 0.2533,
0.6171


 58.2897, 0.2962,
0.4545


 3.2188, 0.2305,
0.7390

 78.2626, 0.2986,
0.4414

 1.2470, 0.0000,
1.0000

 102.3446, 0.3005,
0.4307

 0.0996, 0.0000,
1.0000

 130.9202, 0.3019,
0.4219

 0.0000, 0.0000,
0.0000

 164.3737, 0.3031,

0.4144

203.0896, 0.3041,
0.4081

■ 19.1821, 0.2817,
0.5205

■ 19.1821, 0.2817,
0.5205

■ 18.9987, 0.2841,
0.5411

■ 19.4526, 0.2805,
0.4977

■ 18.9739, 0.2844,
0.5439

■ 19.8335, 0.2810,
0.4735

■ 20.3372, 0.2831,
0.4489

■ 20.9741, 0.2865,
0.4246

■ 21.7531, 0.2909,
0.4015

■ 22.6826, 0.2961,
0.3800

■ 23.7702, 0.3017,
0.3603

■ 25.0230, 0.3076,
0.3426

■ 26.4476, 0.3136,
0.3268

Harmonies

Analogous

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



19.1821, 0.3821, 0.5318



19.1821, 0.2817, 0.5205



19.1821, 0.1948, 0.4116

Triad

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



19.1821, 0.2817, 0.5205



19.1821, 0.1580, 0.1750



19.1821, 0.5133, 0.3220

Complementary

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



19.1821, 0.2817, 0.5205



6.8132, 0.4123, 0.2134

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.



19.1821, 0.4283, 0.2560



19.1821, 0.2817, 0.5205



19.1821, 0.2158, 0.1758

Square

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



19.1821, 0.2817, 0.5205



19.1821, 0.1351, 0.2074



19.1821, 0.3118, 0.2042



19.1821, 0.5248, 0.3947

Rectangle

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



19.1821, 0.2817, 0.5205



19.1821, 0.1572, 0.3238



19.1821, 0.3118, 0.2042



19.1821, 0.4920, 0.2991

Sweetspot

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



19.1829, 0.2817, 0.5205



40.1599, 0.2966, 0.3780



21.4295, 0.3658, 0.5374



9.1333, 0.2950, 0.3842



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.



19.1829, 0.2817, 0.5205



33.4234, 0.2854, 0.5476



20.2076, 0.2400, 0.3747



5.6350, 0.3073, 0.3436



16.8623, 0.2842, 0.5430



0.1146, 0.2612, 0.4602

Inverse Universe

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



6.8132, 0.4123, 0.2134



11.1466, 0.4322, 0.2155



6.0802, 0.5747, 0.3084



5.1000, 0.3186, 0.3148



5.6372, 0.4287, 0.2135



0.0402, 0.3707, 0.1816

Previews

White Background



This preview shows how the Yxy color 19.1821, 0.2817, 0.5205 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 19.1821, 0.2817, 0.5205 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 19.1821, 0.2817, 0.5205

Background



This preview shows how black text looks on a background with the Yxy color 19.1821, 0.2817, 0.5205.



This preview shows how white text looks on a background with the Yxy color 19.1821, 0.2817, 0.5205.

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

19.1821, 0.2817, 0.5205

Protanopia

19.0001, 0.4080, 0.4477

Deuteranopia

18.8579, 0.4181, 0.4118



Tritanopia

19.0555, 0.2360, 0.3062

Trichromacy



Original Color

19.1821, 0.2817, 0.5205

Protanomaly

17.9383, 0.3432, 0.4839

Deuteranomaly

17.4268, 0.3483, 0.4581

Tritanomaly

18.7123, 0.2511, 0.3788

Monochromacy



Original Color

19.1821, 0.2817, 0.5205

Achromatopsia

11.1932, 0.3127, 0.3290

Achromatomaly

13.1212, 0.2910, 0.4055

CSS Examples

Text

The CSS property to change the color of the text to Yxy 19.1821, 0.2817, 0.5205 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(16, 140, 59)` looks like.

```
.text, #text, p{  
    color:rgb(16, 140, 59)  
}
```

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(16, 140, 59) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(16, 140, 59) }
```

Border

The CSS property to change the border of an element to Yxy 19.1821, 0.2817, 0.5205 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(16, 140, 59) }
```

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

```
.border{ border-color:rgb(16, 140, 59) }
```

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

Here you see how a box with a 4 pixel `rgb(16, 140, 59)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(16, 140, 59); -webkit-box-  
shadow:4px 4px 4px 4px rgb(16, 140, 59);  
box-shadow:4px 4px 4px 4px rgb(16, 140,  
59) }
```


Background

The CSS property to change the background color of an element to Yxy 19.1821, 0.2817, 0.5205 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(16, 140, 59) }
```

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

```
.background{ background-color: rgb(16, 140,  
59) }
```

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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