

Converting Colors

$Y_{xy}(18.8589, 0.2935, 0.5494)$

Have a look what the booklet for
Yxy(18.8589, 0.2935, 0.5494)
contains.

Yxy(18.8463, 0.2935, 0.5493)	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(18.8463, 0.2935, 0.5493)

Conversions

Conversions Part 1

Format	Color
Hex	198B2B
RGB	25, 139, 43
RGB Percent	10%, 55%, 17%
CMY	0.9019, 0.4549, 0.8313
CMYK	0.82, 0.00, 0.69, 0.45
HSL	129°, 70%, 32%
HSV	129°, 82%, 55%
XYZ	10.0699, 18.8463, 5.3935
YIQ	93.9700, -37.1280, -54.0240

Conversions

Conversions Part 2

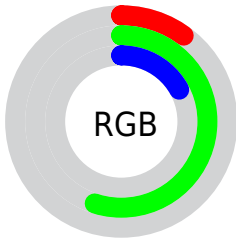
Format	Color
R_{YB}	25, 123, 139
Decimal	1674027
CIE Lab	50.51, -50.08, 41.22
CIE LCh	51, 64.857, 140.544
Yxy	18.8463, 0.2935, 0.5493
Android (android.graphics.Color)	4279864107 (0xFF198B2B)
YUV	93.9700, -25.1282, -60.4867
Hunter-Lab	43.4123, -34.5669, 23.0225

Details

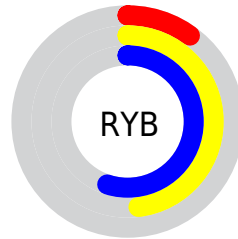
The Yxy color **18.8463, 0.2935, 0.5493** is a dark color, and the websafe version is hex **339933**. A complement of this color would be **7.5653, 0.3541, 0.1854**, and the grayscale version is **11.2544, 0.3127, 0.3290**.

A 20% lighter version of the original color is **41.6492, 0.3044, 0.4936**, and **6.8164, 0.3000, 0.6000** is the 20% darker color. If you saturate the color by 10%, you get **18.6382, 0.2946, 0.5705**, and if you desaturate by 10%, it is **19.1685, 0.2934, 0.5233**.

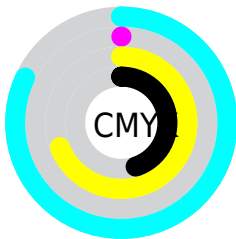
Distribution



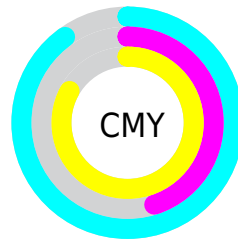
- Red (10%)
- Green (55%)
- Blue (17%)



- Red (10%)
- Yellow (48%)
- Blue (55%)



- Cyan (82%)
- Magenta (0%)
- Yellow (69%)
- Black (45%)





- Cyan (90%)
- Magenta (45%)
- Yellow (83%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 18.8463, 0.2935, 0.5493 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 18.8463, 0.2935, 0.5493 by changing the saturation by 10% instead.


 18.8463, 0.2935,
0.5493


 18.8463, 0.2935,
0.5493


245.5989, 0.3121,
0.4138


 11.5593, 0.2827,
0.5933


 41.4742, 0.3039,
0.4928


 6.4443, 0.2632,
0.6558


 57.5839, 0.3065,
0.4738


 3.1171, 0.2315,
0.7685

 77.4033, 0.3083,
0.4587

 1.1932, 0.0000,
1.0000

 101.3167, 0.3096,
0.4464

 0.0561, 0.0000,
1.0000

 129.7086, 0.3105,
0.4361

 0.0000, 0.0000,
0.0000

 162.9633, 0.3112,

0.4275

201.4653, 0.3117,
0.4202

■ 18.8463, 0.2935,
0.5493

■ 18.8463, 0.2935,
0.5493

■ 18.6382, 0.2946,
0.5705

■ 19.1685, 0.2934,
0.5233

■ 18.5235, 0.2955,
0.5836

■ 19.6159, 0.2944,
0.4942

■ 20.2008, 0.2963,
0.4638

■ 20.9333, 0.2989,
0.4336

■ 21.8227, 0.3020,
0.4048

■ 22.8775, 0.3053,
0.3783

■ 24.1055, 0.3087,
0.3543

■ 25.5140, 0.3121,
0.3330

■ 27.1099, 0.3153,
0.3142

Harmonies

Analogous

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



18.8463, 0.3998, 0.5391



18.8463, 0.2935, 0.5493



18.8463, 0.1973, 0.4428

Triad

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



18.8463, 0.2935, 0.5493



18.8463, 0.1422, 0.1676



18.8463, 0.5201, 0.3075

Complementary

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



18.8463, 0.2935, 0.5493



7.5653, 0.3541, 0.1854

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.



18.8463, 0.4180, 0.2403



18.8463, 0.2935, 0.5493



18.8463, 0.1962, 0.1641

Square

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



18.8463, 0.2935, 0.5493



18.8463, 0.1236, 0.2072



18.8463, 0.2920, 0.1895



18.8463, 0.5435, 0.3821

Rectangle

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



18.8463, 0.2935, 0.5493



18.8463, 0.1536, 0.3436



18.8463, 0.2920, 0.1895



18.8463, 0.4931, 0.2840

Sweetspot

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



18.8471, 0.2935, 0.5493



40.2658, 0.3041, 0.3874



22.6665, 0.3918, 0.5098



9.1432, 0.3031, 0.3957



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.



18.8471, 0.2935, 0.5493



33.1938, 0.2959, 0.5835



19.5754, 0.2560, 0.4214



5.6203, 0.3096, 0.3479



16.7197, 0.2953, 0.5831



0.1125, 0.2794, 0.5258

Inverse Universe

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



7.5653, 0.3541, 0.1854



12.2092, 0.3642, 0.1789



6.5654, 0.4950, 0.2720



5.1156, 0.3159, 0.3108



6.1163, 0.3640, 0.1779



0.0423, 0.3405, 0.1649

Previews

White Background



This preview shows how the Yxy color 18.8463, 0.2935, 0.5493 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 18.8463, 0.2935, 0.5493 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 18.8463, 0.2935, 0.5493

Background



This preview shows how black text looks on a background with the Yxy color 18.8463, 0.2935, 0.5493.



This preview shows how white text looks on a background with the Yxy color 18.8463, 0.2935, 0.5493.

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

18.8463, 0.2935, 0.5493

Protanopia

18.6412, 0.4216, 0.4651

Deuteranopia

18.5785, 0.4356, 0.4294



Tritanopia

18.8508, 0.2393, 0.3082

Trichromacy



Original Color

18.8463, 0.2935, 0.5493



Protanomaly

17.7116, 0.3590, 0.5051



Deuteranomaly

17.2712, 0.3671, 0.4792



Tritanomaly

18.4234, 0.2594, 0.3932

Monochromacy



Original Color

18.8463, 0.2935, 0.5493



Achromatopsia

11.1932, 0.3127, 0.3290



Achromatomaly

12.9251, 0.3011, 0.4185

CSS Examples

Text

The CSS property to change the color of the text to Yxy 18.8463, 0.2935, 0.5493 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(25, 139, 43)` looks like.

```
.text, #text, p{  
    color:rgb(25, 139, 43)  
}
```

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(25, 139, 43) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(25, 139, 43) }
```

Border

The CSS property to change the border of an element to Yxy 18.8463, 0.2935, 0.5493 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(25, 139, 43) }
```

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

```
.border{ border-color:rgb(25, 139, 43) }
```

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

Here you see how a box with a 4 pixel rgb(25, 139, 43) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(25, 139, 43); -webkit-box-  
shadow:4px 4px 4px 4px rgb(25, 139, 43);  
box-shadow:4px 4px 4px 4px rgb(25, 139,  
43) }
```


Background

The CSS property to change the background color of an element to Yxy 18.8463, 0.2935, 0.5493 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(25, 139, 43) }
```

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

```
.background{ background-color: rgb(25, 139,  
43) }
```

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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