

Converting Colors

$Y_{xy}(18.1805, 0.2864, 0.5327)$

Have a look what the booklet for
Yxy(18.1805, 0.2864, 0.5327)
contains.

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Color

Yxy(18.2688, 0.2867, 0.5338)

Conversions

Conversions Part 1

Format	Color
Hex	138933
RGB	19, 137, 51
RGB Percent	7%, 54%, 20%
CMY	0.9255, 0.4627, 0.7999
CMYK	0.86, 0.00, 0.63, 0.46
HSL	136°, 76%, 31%
HSV	136°, 86%, 54%
XYZ	9.8120, 18.2688, 6.1432
YIQ	91.9140, -42.7220, -51.7620

Conversions

Conversions Part 2

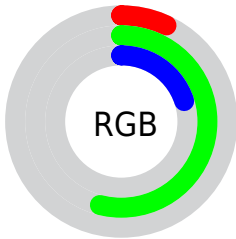
Format	Color
R_YB	19, 112, 137
Decimal	1280307
CIE Lab	49.82, -49.15, 36.78
CIE LCh	50, 61.389, 143.198
Yxy	18.2688, 0.2867, 0.5338
Android (android.graphics.Color)	4279470387 (0xFF138933)
YUV	91.9140, -20.1706, -63.9456
Hunter-Lab	42.7420, -33.8213, 21.3978

Details

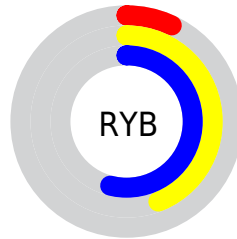
The Yxy color **18.2688, 0.2867, 0.5338** is a dark color, and the websafe version is hex **339933**. A complement of this color would be **6.8037, 0.3866, 0.2008**, and the grayscale version is **10.7369, 0.3127, 0.3290**.

A 20% lighter version of the original color is **40.7136, 0.2975, 0.4802**, and **6.6556, 0.3000, 0.6000** is the 20% darker color. If you saturate the color by 10%, you get **18.0865, 0.2888, 0.5549**, and if you desaturate by 10%, it is **18.5472, 0.2859, 0.5095**.

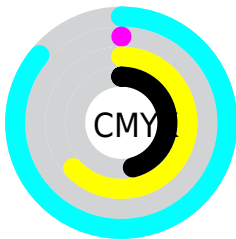
Distribution



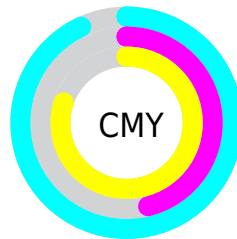
- Red (7%)
- Green (54%)
- Blue (20%)



- Red (7%)
- Yellow (44%)
- Blue (54%)



- Cyan (86%)
- Magenta (0%)
- Yellow (63%)
- Black (46%)





- Cyan (93%)
- Magenta (46%)
- Yellow (80%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 18.2688, 0.2867, 0.5338 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 18.2688, 0.2867, 0.5338 by changing the saturation by 10% instead.


 18.2688, 0.2867,
0.5338


 18.2688, 0.2867,
0.5338


242.3818, 0.3080,
0.4070


 11.1431, 0.2759,
0.5761


 40.4948, 0.2977,
0.4804


 6.1632, 0.2567,
0.6373

 56.3640, 0.3007,
0.4627

 2.9446, 0.2314,
0.7686

 75.9164, 0.3028,
0.4486

 1.1029, 0.0000,
1.0000

 99.5366, 0.3044,
0.4371

 0.0000, 0.0000,
0.0000

 127.6088, 0.3057,
0.4276

 160.5174, 0.3066,

0.4197

198.6470, 0.3074,
0.4129

■ 18.2688, 0.2867,
0.5338

■ 18.2688, 0.2867,
0.5338

■ 18.0865, 0.2888,
0.5549

■ 18.5472, 0.2859,
0.5095

■ 18.0266, 0.2895,
0.5622

■ 18.9368, 0.2865,
0.4832

■ 19.4492, 0.2885,
0.4562

■ 20.0942, 0.2916,
0.4295

■ 20.8805, 0.2955,
0.4041

■ 21.8159, 0.3000,
0.3805

■ 22.9079, 0.3048,
0.3590

■ 24.1631, 0.3097,
0.3397

■ 25.5882, 0.3146,
0.3226

Harmonies

Analogous

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



18.2688, 0.3899, 0.5359



18.2688, 0.2867, 0.5338



18.2688, 0.1955, 0.4250

Triad

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



18.2688, 0.2867, 0.5338



18.2688, 0.1507, 0.1714



18.2688, 0.5169, 0.3156

Complementary

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



18.2688, 0.2867, 0.5338



6.8037, 0.3866, 0.2008

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.



18.2688, 0.4243, 0.2490



18.2688, 0.2867, 0.5338



18.2688, 0.2070, 0.1704

Square

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



18.2688, 0.2867, 0.5338



18.2688, 0.1297, 0.2070



18.2688, 0.3032, 0.1975



18.2688, 0.5334, 0.3893

Rectangle

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



18.2688, 0.2867, 0.5338



18.2688, 0.1552, 0.3321



18.2688, 0.3032, 0.1975



18.2688, 0.4932, 0.2924

Sweetspot

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



18.2696, 0.2867, 0.5338



38.9875, 0.2998, 0.3815



20.9746, 0.3757, 0.5270



8.6279, 0.2984, 0.3883



69.2071, 0.3127, 0.3290



10.0482, 0.3127, 0.3290

Same Dimension

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



18.2696, 0.2867, 0.5338



32.2572, 0.2905, 0.5657



19.1446, 0.2459, 0.3922



5.6291, 0.3082, 0.3453



16.7930, 0.2894, 0.5617



0.1137, 0.2677, 0.4839

Inverse Universe

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



6.8037, 0.3866, 0.2008



11.1375, 0.4037, 0.1998



5.9857, 0.5458, 0.2956



5.1062, 0.3175, 0.3132



5.8100, 0.4013, 0.1984



0.0411, 0.3576, 0.1744

Previews

White Background



This preview shows how the Yxy color 18.2688, 0.2867, 0.5338 looks on a white 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

Black Background



This preview shows how the Yxy color 18.2688, 0.2867, 0.5338 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 18.2688, 0.2867, 0.5338

Background



This preview shows how black text looks on a background with the Yxy color 18.2688, 0.2867, 0.5338.



This preview shows how white text looks on a background with the Yxy color 18.2688, 0.2867, 0.5338.

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

18.2688, 0.2867, 0.5338

Protanopia

17.9794, 0.4134, 0.4551

Deuteranopia

17.9136, 0.4276, 0.4200



Tritanopia

18.1723, 0.2367, 0.3058

Trichromacy



Original Color

18.2688, 0.2867, 0.5338



Protanomaly

17.0543, 0.3493, 0.4931



Deuteranomaly

16.6032, 0.3577, 0.4687



Tritanomaly

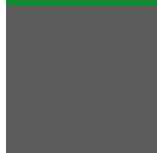
17.8077, 0.2541, 0.3846

Monochromacy



Original Color

18.2688, 0.2867, 0.5338



Achromatopsia

10.7023, 0.3127, 0.3290



Achromatomaly

12.3848, 0.2940, 0.4100

CSS Examples

Text

The CSS property to change the color of the text to Yxy 18.2688, 0.2867, 0.5338 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(19, 137, 51)` looks like.

```
.text, #text, p{  
    color:rgb(19, 137, 51)  
}
```

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(19, 137, 51) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(19, 137, 51) }
```

Border

The CSS property to change the border of an element to Yxy 18.2688, 0.2867, 0.5338 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(19, 137, 51) }
```

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

```
.border{ border-color:rgb(19, 137, 51) }
```

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

Here you see how a box with a 4 pixel rgb(19, 137, 51) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(19, 137, 51); -webkit-box-  
shadow:4px 4px 4px 4px rgb(19, 137, 51);  
box-shadow:4px 4px 4px 4px rgb(19, 137,  
51) }
```


Background

The CSS property to change the background color of an element to Yxy 18.2688, 0.2867, 0.5338 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(19, 137, 51) }
```

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

```
.background{ background-color: rgb(19, 137,  
51) }
```

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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