

Converting Colors

$Y_{xy}(18.1773, 0.2807, 0.5187)$

Have a look what the booklet for
Yxy(18.1773, 0.2807, 0.5187)
contains.

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Color

Yxy(18.2902, 0.2810, 0.5197)

Conversions

Conversions Part 1

Format	Color
Hex	0E893A
RGB	14, 137, 58
RGB Percent	5%, 54%, 23%
CMY	0.9456, 0.4627, 0.7725
CMYK	0.90, 0.00, 0.58, 0.46
HSL	142°, 82%, 30%
HSV	142°, 90%, 54%
XYZ	9.8894, 18.2902, 7.0141
YIQ	91.2170, -47.9490, -50.6450

Conversions

Conversions Part 2

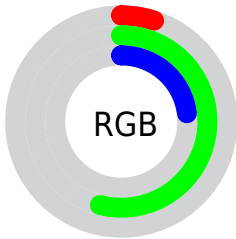
Format	Color
RYB	14, 105, 137
Decimal	952634
CIELab	49.85, -48.65, 33.35
CIELCh	50, 58.986, 145.566
Yxy	18.2902, 0.2810, 0.5197
Android (android.graphics.Color)	4279142714 (0xFF0E893A)
YUV	91.2170, -16.3760, -67.7193
Hunter-Lab	42.7670, -33.5660, 20.2129

Details

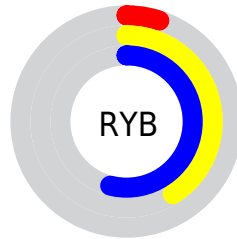
The Yxy color **18.2902, 0.2810, 0.5197** is a dark color, and the websafe version is hex **339933**. A complement of this color would be **6.4179, 0.4180, 0.2156**, and the grayscale version is **10.5528, 0.3127, 0.3290**.

A 20% lighter version of the original color is **40.7392, 0.2929, 0.4709**, and **6.6731, 0.2962, 0.5861** is the 20% darker color. If you saturate the color by 10%, you get **18.1177, 0.2834, 0.5400**, and if you desaturate by 10%, it is **18.5368, 0.2796, 0.4974**.

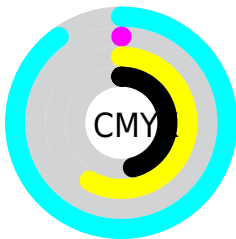
Distribution



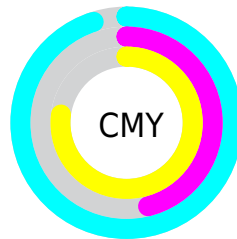
- Red (5%)
- Green (54%)
- Blue (23%)



- Red (5%)
- Yellow (41%)
- Blue (54%)



- Cyan (90%)
- Magenta (0%)
- Yellow (58%)
- Black (46%)




- Cyan (95%)
- Magenta (46%)
- Yellow (77%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 18.2902, 0.2810, 0.5197 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 18.2902, 0.2810, 0.5197 by changing the saturation by 10% instead.


 18.2902, 0.2810,
0.5197


 18.2902, 0.2810,
0.5197


242.5017, 0.3046,
0.4016


 11.1585, 0.2702,
0.5597


 40.5312, 0.2925,
0.4697

 6.1736, 0.2517,
0.6183

 56.4093, 0.2958,
0.4532


 2.9509, 0.2305,
0.7541

 75.9717, 0.2983,
0.4401

 1.1062, 0.0000,
1.0000

 99.6028, 0.3002,
0.4295

 0.0000, 0.0000,
0.0000

 127.6869, 0.3016,
0.4207

 160.6085, 0.3028,

0.4133

198.7520, 0.3038,
0.4070

■ 18.2902, 0.2810,
0.5197

■ 18.2902, 0.2810,
0.5197

■ 18.1177, 0.2834,
0.5400

■ 18.5368, 0.2796,
0.4974

■ 18.1155, 0.2834,
0.5402

■ 18.8864, 0.2800,
0.4737

■ 19.3508, 0.2819,
0.4495

■ 19.9400, 0.2852,
0.4257

■ 20.6627, 0.2897,
0.4029

■ 21.5267, 0.2949,
0.3816

■ 22.5393, 0.3007,
0.3621

■ 23.7073, 0.3067,
0.3445

■ 25.0369, 0.3128,
0.3288

Harmonies

Analogous

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



18.2902, 0.3813, 0.5318



18.2902, 0.2810, 0.5197



18.2902, 0.1944, 0.4104

Triad

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



18.2902, 0.2810, 0.5197



18.2902, 0.1584, 0.1750



18.2902, 0.5134, 0.3226

Complementary

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



18.2902, 0.2810, 0.5197



6.4179, 0.4180, 0.2156

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.



18.2902, 0.4290, 0.2566



18.2902, 0.2810, 0.5197



18.2902, 0.2165, 0.1761

Square

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



18.2902, 0.2810, 0.5197



18.2902, 0.1353, 0.2072



18.2902, 0.3127, 0.2047



18.2902, 0.5244, 0.3953

Rectangle

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



18.2902, 0.2810, 0.5197



18.2902, 0.1570, 0.3229



18.2902, 0.3127, 0.2047



18.2902, 0.4924, 0.2997

Sweetspot

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



18.2909, 0.2810, 0.5197



38.9350, 0.2962, 0.3770



20.2993, 0.3631, 0.5407



8.6227, 0.2946, 0.3829



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.



18.2909, 0.2810, 0.5197



32.4101, 0.2845, 0.5441



19.3061, 0.2385, 0.3705



5.6359, 0.3071, 0.3434



16.8753, 0.2832, 0.5397



0.1147, 0.2602, 0.4565

Inverse Universe

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



6.4179, 0.4180, 0.2156



10.7509, 0.4369, 0.2180



5.7360, 0.5834, 0.3116



5.0990, 0.3188, 0.3151



5.6110, 0.4334, 0.2161



0.0401, 0.3730, 0.1828

Previews

White Background



This preview shows how the Yxy color 18.2902, 0.2810, 0.5197 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 18.2902, 0.2810, 0.5197 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 18.2902, 0.2810, 0.5197

Background



This preview shows how black text looks on a background with the Yxy color 18.2902, 0.2810, 0.5197.



This preview shows how white text looks on a background with the Yxy color 18.2902, 0.2810, 0.5197.

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

18.2902, 0.2810, 0.5197

Protanopia

18.0301, 0.4079, 0.4468

Deuteranopia

17.8993, 0.4182, 0.4101



Tritanopia

18.3768, 0.2360, 0.3079

Trichromacy



Original Color

18.2902, 0.2810, 0.5197



Protanomaly

17.0083, 0.3419, 0.4836



Deuteranomaly

16.5639, 0.3482, 0.4564



Tritanomaly

18.0794, 0.2507, 0.3796

Monochromacy



Original Color

18.2902, 0.2810, 0.5197



Achromatopsia

10.4616, 0.3127, 0.3290



Achromatomaly

12.3464, 0.2894, 0.4050

CSS Examples

Text

The CSS property to change the color of the text to Yxy 18.2902, 0.2810, 0.5197 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(14, 137, 58)` looks like.

```
.text, #text, p{  
    color:rgb(14, 137, 58)  
}
```

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(14, 137, 58) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(14, 137, 58) }
```

Border

The CSS property to change the border of an element to Yxy 18.2902, 0.2810, 0.5197 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(14, 137, 58) }
```

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

```
.border{ border-color:rgb(14, 137, 58) }
```

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

Here you see how a box with a 4 pixel rgb(14, 137, 58) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(14, 137, 58); -webkit-box-  
shadow:4px 4px 4px 4px rgb(14, 137, 58);  
box-shadow:4px 4px 4px 4px rgb(14, 137,  
58) }
```


Background

The CSS property to change the background color of an element to Yxy 18.2902, 0.2810, 0.5197 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(14, 137, 58) }
```

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

```
.background{ background-color: rgb(14, 137,  
58) }
```

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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