

Converting Colors

$Y_{xy}(11.8978, 0.2899, 0.5047)$

Have a look what the booklet for
Yxy(11.8978, 0.2899, 0.5047)
contains.

Yxy(11.8977, 0.2899, 0.5047)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(11.8977, 0.2899, 0.5047)

Conversions

Conversions Part 1

Format	Color
Hex	206F31
RGB	32, 111, 49
RGB Percent	13%, 44%, 19%
CMY	0.8746, 0.5647, 0.8078
CMYK	0.71, 0.00, 0.56, 0.56
HSL	133°, 55%, 28%
HSV	133°, 71%, 44%
XYZ	6.8340, 11.8977, 4.8421
YIQ	80.3110, -27.1820, -36.0300

Conversions

Conversions Part 2

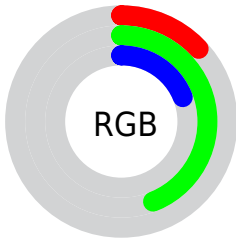
Format	Color
R_{YB}	32, 97, 111
Decimal	2125617
CIE _{Lab}	41.05, -38.00, 27.51
CIE _{LCh}	41, 46.916, 144.101
Yxy	11.8977, 0.2899, 0.5047
Android (android.graphics.Color)	4280315697 (0xFF206F31)
YUV	80.3110, -15.4363, -42.3687
Hunter-Lab	34.4930, -24.9969, 15.8221

Details

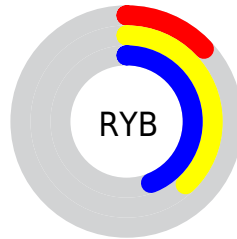
The Yxy color **11.8977, 0.2899, 0.5047** is a dark color, and the websafe version is hex **006633**. A complement of this color would be **5.2196, 0.3576, 0.2053**, and the grayscale version is **8.1200, 0.3127, 0.3290**.

A 20% lighter version of the original color is **29.4887, 0.2997, 0.4542**, and **3.4496, 0.2981, 0.5932** is the 20% darker color. If you saturate the color by 10%, you get **11.6830, 0.2898, 0.5307**, and if you desaturate by 10%, it is **12.1876, 0.2912, 0.4769**.

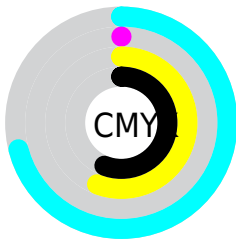
Distribution



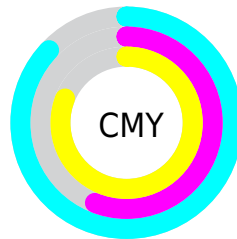
- Red (13%)
- Green (44%)
- Blue (19%)



- Red (13%)
- Yellow (38%)
- Blue (44%)



- Cyan (71%)
- Magenta (0%)
- Yellow (56%)
- Black (56%)



- Cyan (87%)
- Magenta (56%)
- Yellow (81%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 11.8977, 0.2899, 0.5047 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 11.8977, 0.2899, 0.5047 by changing the saturation by 10% instead.


 11.8977, 0.2899,
0.5047


 11.8977, 0.2899,
0.5047


203.7269, 0.3083,
0.3905


 6.6741, 0.2796,
0.5481


 29.3087, 0.2996,
0.4539


 3.2591, 0.2614,
0.6215

 42.2647, 0.3022,
0.4380


 1.2685, 0.1565,
0.8435

 58.5671, 0.3040,
0.4256

 0.1166, 0.0000,
1.0000

 78.6001, 0.3053,
0.4157

 0.0000, 0.0000,
0.0000

 102.7482, 0.3063,
0.4077

 131.3958, 0.3071,

0.4010

164.9272, 0.3078,
0.3953

■ 11.8977, 0.2899,
0.5047

■ 11.8977, 0.2899,
0.5047

■ 11.6830, 0.2898,
0.5307

■ 12.1876, 0.2912,
0.4769

■ 11.5348, 0.2909,
0.5535

■ 12.5573, 0.2935,
0.4488

■ 11.4352, 0.2918,
0.5706

■ 13.0129, 0.2966,
0.4214

■ 13.5595, 0.3002,
0.3956

■ 14.2016, 0.3041,
0.3718

■ 14.9436, 0.3082,
0.3503

■ 15.7895, 0.3122,
0.3311

■ 16.7432, 0.3162,
0.3142

■ 17.8083, 0.3200,
0.2993

Harmonies

Analogous

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



11.8977, 0.3839, 0.5151



11.8977, 0.2899, 0.5047



11.8977, 0.2070, 0.4095

Triad

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



11.8977, 0.2899, 0.5047



11.8977, 0.1663, 0.1857



11.8977, 0.4952, 0.3218

Complementary

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



11.8977, 0.2899, 0.5047



5.2196, 0.3576, 0.2053

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.



11.8977, 0.4150, 0.2592



11.8977, 0.2899, 0.5047



11.8977, 0.2200, 0.1848

Square

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



11.8977, 0.2899, 0.5047



11.8977, 0.1458, 0.2190



11.8977, 0.3083, 0.2108



11.8977, 0.5107, 0.3909

Rectangle

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



11.8977, 0.2899, 0.5047



11.8977, 0.1699, 0.3302



11.8977, 0.3083, 0.2108



11.8977, 0.4745, 0.3000

Sweetspot

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



11.8982, 0.2899, 0.5047



25.3813, 0.3040, 0.3727



13.9174, 0.3804, 0.4954



6.0366, 0.3031, 0.3775



58.7016, 0.3127, 0.3290



6.8385, 0.3127, 0.3290

Same Dimension

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



11.8982, 0.2899, 0.5047



20.7431, 0.2903, 0.5451



12.3694, 0.2549, 0.3936



3.7739, 0.3091, 0.3459



13.4706, 0.2922, 0.5718



66.9954, 0.2944, 0.5798

Inverse Universe

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



5.2196, 0.3576, 0.2053



7.9435, 0.3707, 0.1920



4.6943, 0.4666, 0.2816



3.4418, 0.3166, 0.3126



4.7911, 0.3815, 0.1875



23.7362, 0.3856, 0.1898

Previews

White Background



This preview shows how the Yxy color 11.8977, 0.2899, 0.5047 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 11.8977, 0.2899, 0.5047 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

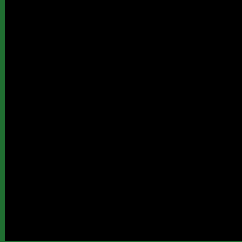
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 11.8977, 0.2899, 0.5047

Background



This preview shows how black text looks on a background with the Yxy color 11.8977, 0.2899, 0.5047.



This preview shows how white text looks on a background with the Yxy color 11.8977, 0.2899, 0.5047.

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

11.8977, 0.2899, 0.5047

Protanopia

11.6734, 0.4046, 0.4414

Deuteranopia

11.7722, 0.4144, 0.4078



Tritanopia

11.8229, 0.2423, 0.3064

Trichromacy



Original Color

11.8977, 0.2899, 0.5047

Protanomaly

11.2101, 0.3528, 0.4677

Deuteranomaly

11.1979, 0.3584, 0.4453

Tritanomaly

11.8115, 0.2597, 0.3748

Monochromacy



Original Color

11.8977, 0.2899, 0.5047

Achromatopsia

8.0220, 0.3127, 0.3290

Achromatomaly

8.9686, 0.3007, 0.3928

CSS Examples

Text

The CSS property to change the color of the text to Yxy 11.8977, 0.2899, 0.5047 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(32, 111, 49)` looks like.

```
.text, #text, p{  
  color:rgb(32, 111, 49)  
}
```

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(32, 111, 49) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(32, 111, 49) }
```

Border

The CSS property to change the border of an element to Yxy 11.8977, 0.2899, 0.5047 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(32, 111, 49) }
```

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

```
.border{ border-color:rgb(32, 111, 49) }
```

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

Here you see how a box with a 4 pixel `rgb(32, 111, 49)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(32, 111, 49); -webkit-box-  
shadow:4px 4px 4px 4px rgb(32, 111, 49);  
box-shadow:4px 4px 4px 4px rgb(32, 111,  
49) }
```


Background

The CSS property to change the background color of an element to Yxy 11.8977, 0.2899, 0.5047 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(32, 111, 49) }
```

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

```
.background{ background-color: rgb(32, 111,  
49) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor