

Converting Colors

$Y_{xy}(11.8041, 0.2763, 0.5146)$

Have a look what the booklet for
Yxy(11.8041, 0.2763, 0.5146)
contains.

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Color

Yxy(11.8101, 0.2759, 0.5133)

Conversions

Conversions Part 1

Format	Color
Hex	007031
RGB	0, 112, 49
RGB Percent	0%, 44%, 19%
CMY	1.0000, 0.5608, 0.8079
CMYK	1.00, 0.00, 0.56, 0.56
HSL	146°, 100%, 22%
HSV	146°, 100%, 44%
XYZ	6.3480, 11.8101, 4.8501
YIQ	71.3300, -46.5290, -43.3370

Conversions

Conversions Part 2

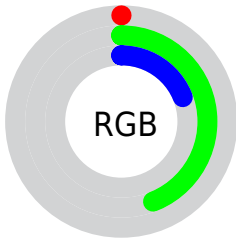
Format	Color
RYB	0, 78, 112
Decimal	28721
CIELab	40.91, -42.45, 27.23
CIELCh	41, 50.433, 147.323
Yxy	11.8101, 0.2759, 0.5133
Android (android.graphics.Color)	4278218801 (0xFF007031)
YUV	71.3300, -11.0087, -62.5564
Hunter-Lab	34.3658, -27.1682, 15.6883

Details

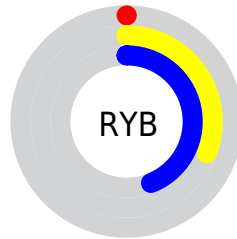
The Yxy color **11.8101, 0.2759, 0.5133** is a dark color, and the websafe version is hex **006633**. A complement of this color would be **3.8040, 0.4616, 0.2316**, and the grayscale version is **6.3853, 0.3127, 0.3290**.

A 20% lighter version of the original color is **29.2292, 0.2897, 0.4593**, and **3.5594, 0.2982, 0.5934** is the 20% darker color. If you saturate the color by 10%, you get **11.8109, 0.2759, 0.5133**, and if you desaturate by 10%, it is **11.9404, 0.2743, 0.4938**.

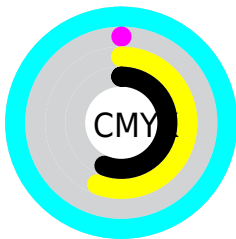
Distribution



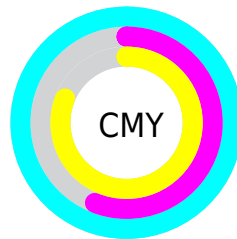
- Red (0%)
- Green (44%)
- Blue (19%)



- Red (0%)
- Yellow (31%)
- Blue (44%)



- Cyan (100%)
- Magenta (0%)
- Yellow (56%)
- Black (56%)





- Cyan (100%)
- Magenta (56%)
- Yellow (81%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 11.8101, 0.2759, 0.5133 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 11.8101, 0.2759, 0.5133 by changing the saturation by 10% instead.


 11.8101, 0.2759,
0.5133


 11.8101, 0.2759,
0.5133


203.1440, 0.3032,
0.3928


 6.6145, 0.2624,
0.5597


 29.1488, 0.2895,
0.4594


 3.2222, 0.2392,
0.6385

 42.0606, 0.2933,
0.4426

 1.2488, 0.0823,
0.9177

 58.3134, 0.2961,
0.4296

 0.1010, 0.0000,
1.0000


 78.2914, 0.2982,
0.4192


 0.0000, 0.0000,
0.0000


 102.3790, 0.2998,
0.4108


 130.9608, 0.3012,


0.4038


 164.4210, 0.3023,
0.3978


 11.8101, 0.2759,
0.5133

 11.8101, 0.2759,
0.5133


 11.8109, 0.2759,
0.5133

 11.9404, 0.2743,
0.4938

 12.1078, 0.2735,
0.4735

 12.3387, 0.2744,
0.4526

 12.6397, 0.2770,
0.4317

 13.0166, 0.2810,
0.4114

■ 13.4745, 0.2862,
0.3921

■ 14.0181, 0.2922,
0.3741

■ 14.6516, 0.2988,
0.3575

■ 15.3790, 0.3057,
0.3425

Harmonies

Analogous

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



11.8101, 0.3754, 0.5317



11.8101, 0.2759, 0.5133



11.8101, 0.1916, 0.4017

Triad

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



11.8101, 0.2759, 0.5133



11.8101, 0.1621, 0.1755



11.8101, 0.5141, 0.3270

Complementary

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



11.8101, 0.2759, 0.5133



3.8040, 0.4616, 0.2316

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.



11.8101, 0.4342, 0.2608



11.8101, 0.2759, 0.5133



11.8101, 0.2220, 0.1782

Square

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



11.8101, 0.2759, 0.5133



11.8101, 0.1371, 0.2054



11.8101, 0.3193, 0.2082



11.8101, 0.5209, 0.3996

Rectangle

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



11.8101, 0.2759, 0.5133



11.8101, 0.1560, 0.3162



11.8101, 0.3193, 0.2082



11.8101, 0.4948, 0.3041

Sweetspot

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



11.8109, 0.2759, 0.5133



24.5439, 0.2917, 0.3754



12.6615, 0.3490, 0.5611



5.8185, 0.2897, 0.3812



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.



11.8109, 0.2759, 0.5133



20.7234, 0.2772, 0.5178



12.5996, 0.2301, 0.3485



3.7852, 0.3064, 0.3411



13.6487, 0.2763, 0.5146



67.8229, 0.2790, 0.5244

Inverse Universe

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



3.8040, 0.4616, 0.2316



6.6572, 0.4661, 0.2341



3.4614, 0.6276, 0.3231



3.4300, 0.3196, 0.3172



4.3927, 0.4628, 0.2323



21.7062, 0.4729, 0.2379

Previews

White Background



This preview shows how the Yxy color 11.8101, 0.2759, 0.5133 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 11.8101, 0.2759, 0.5133 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 11.8101, 0.2759, 0.5133

Background



This preview shows how black text looks on a background with the Yxy color 11.8101, 0.2759, 0.5133.



This preview shows how white text looks on a background with the Yxy color 11.8101, 0.2759, 0.5133.

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

11.8101, 0.2759, 0.5133

Protanopia

11.6734, 0.4046, 0.4414

Deuteranopia

11.7025, 0.4128, 0.4084



Tritanopia

11.8535, 0.2358, 0.3062

Trichromacy



Original Color

11.8101, 0.2759, 0.5133

Protanomaly

10.9289, 0.3339, 0.4783

Deuteranomaly

10.6275, 0.3376, 0.4538

Tritanomaly

11.7102, 0.2486, 0.3787

Monochromacy



Original Color

11.8101, 0.2759, 0.5133

Achromatopsia

6.3010, 0.3127, 0.3290

Achromatomaly

7.5723, 0.2828, 0.4036

CSS Examples

Text

The CSS property to change the color of the text to Yxy 11.8101, 0.2759, 0.5133 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(0, 112, 49)` looks like.

```
.text, #text, p{  
    color:rgb(0, 112, 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(0, 112, 49) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 112, 49) }
```

Border

The CSS property to change the border of an element to Yxy 11.8101, 0.2759, 0.5133 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(0, 112, 49) }
```

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

```
.border{ border-color:rgb(0, 112, 49) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 112, 49)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 112, 49); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 112, 49);  
box-shadow:4px 4px 4px 4px rgb(0, 112, 49)  
}
```


Background

The CSS property to change the background color of an element to Yxy 11.8101, 0.2759, 0.5133 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 112, 49) }
```

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

```
.background{ background-color: rgb(0, 112,  
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](#).

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