

Converting Colors

$Y_{xy}(11.8647, 0.2863, 0.5509)$

Have a look what the booklet for
Yxy(11.8647, 0.2863, 0.5509)
contains.

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Color

Yxy(11.9257, 0.2866, 0.5519)

Conversions

Conversions Part 1

Format	Color
Hex	007122
RGB	0, 113, 34
RGB Percent	0%, 44%, 13%
CMY	1.0000, 0.5568, 0.8666
CMYK	1.00, 0.00, 0.70, 0.56
HSL	138°, 100%, 22%
HSV	138°, 100%, 44%
XYZ	6.1930, 11.9257, 3.4898
YIQ	70.2070, -41.9890, -48.5250

Conversions

Conversions Part 2

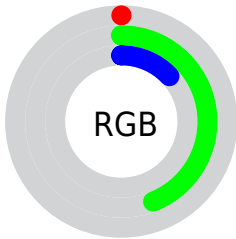
Format	Color
RYB	0, 87, 113
Decimal	28962
CIELab	41.10, -44.91, 34.91
CIELCh	41, 56.888, 142.139
Yxy	11.9257, 0.2866, 0.5519
Android (android.graphics.Color)	4278219042 (0xFF007122)
YUV	70.2070, -17.8501, -61.5715
Hunter-Lab	34.5336, -28.4231, 18.1820

Details

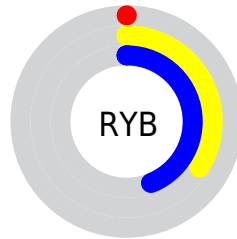
The Yxy color **11.9257, 0.2866, 0.5519** is a dark color, and the websafe version is hex **006600**. A complement of this color would be **4.0754, 0.4101, 0.2033**, and the grayscale version is **6.1973, 0.3127, 0.3290**.

A 20% lighter version of the original color is **29.3928, 0.2997, 0.4867**, and **3.5550, 0.3000, 0.6000** is the 20% darker color. If you saturate the color by 10%, you get **11.9269, 0.2866, 0.5519**, and if you desaturate by 10%, it is **12.0511, 0.2850, 0.5313**.

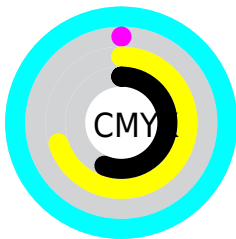
Distribution



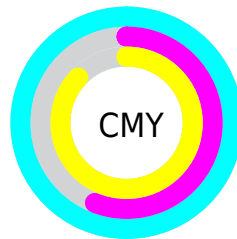
- Red (0%)
- Green (44%)
- Blue (13%)



- Red (0%)
- Yellow (34%)
- Blue (44%)



- Cyan (100%)
- Magenta (0%)
- Yellow (70%)
- Black (56%)





- Cyan (100%)
- Magenta (56%)
- Yellow (87%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 11.9257, 0.2866, 0.5519 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 11.9257, 0.2866, 0.5519 by changing the saturation by 10% instead.


 11.9257, 0.2866,
0.5519


 11.9257, 0.2866,
0.5519


203.9128, 0.3099,
0.4064


 6.6931, 0.2720,
0.6058


 29.3597, 0.2997,
0.4875


 3.2709, 0.2553,
0.7222

 42.3299, 0.3029,
0.4671


 1.2748, 0.0530,
0.9470

 58.6481, 0.3051,
0.4513

 0.1215, 0.0000,
1.0000

 78.6987, 0.3067,
0.4386


 0.0000, 0.0000,
0.0000

 102.8661, 0.3078,
0.4283


 131.5346, 0.3087,


0.4198


 165.0887, 0.3093,
0.4126

 11.9257, 0.2866,
0.5519


 11.9257, 0.2866,
0.5519


 11.9269, 0.2866,
0.5519

 12.0511, 0.2850,
0.5313

 12.2175, 0.2838,
0.5083

 12.4523, 0.2842,
0.4835

 12.7625, 0.2859,
0.4579

 13.1544, 0.2889,
0.4326

■ 13.6334, 0.2928,
0.4083

■ 14.2044, 0.2973,
0.3855

■ 14.8722, 0.3023,
0.3647

■ 15.6409, 0.3075,
0.3458

Harmonies

Analogous

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



11.9257, 0.3946, 0.5457



11.9257, 0.2866, 0.5519



11.9257, 0.1906, 0.4374

Triad

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



11.9257, 0.2866, 0.5519



11.9257, 0.1416, 0.1640



11.9257, 0.5279, 0.3104

Complementary

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



11.9257, 0.2866, 0.5519



4.0754, 0.4101, 0.2033

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.



11.9257, 0.4270, 0.2420



11.9257, 0.2866, 0.5519



11.9257, 0.1982, 0.1623

Square

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



11.9257, 0.2866, 0.5519



11.9257, 0.1210, 0.2015



11.9257, 0.2977, 0.1895



11.9257, 0.5463, 0.3861

Rectangle

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



11.9257, 0.2866, 0.5519



11.9257, 0.1481, 0.3359



11.9257, 0.2977, 0.1895



11.9257, 0.5019, 0.2866

Sweetspot

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



11.9269, 0.2866, 0.5519



25.3451, 0.2970, 0.3873



13.4780, 0.3694, 0.5449



5.7822, 0.2954, 0.3945



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.



11.9269, 0.2866, 0.5519



21.3342, 0.2879, 0.5564



12.5564, 0.2420, 0.3911



3.7782, 0.3080, 0.3440



13.5247, 0.2869, 0.5530



67.2363, 0.2895, 0.5623

Inverse Universe

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



4.0754, 0.4101, 0.2033



7.2735, 0.4130, 0.2049



3.5713, 0.5978, 0.3067



3.4372, 0.3178, 0.3144



4.6189, 0.4108, 0.2037



22.8510, 0.4170, 0.2071

Previews

White Background



This preview shows how the Yxy color 11.9257, 0.2866, 0.5519 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 11.9257, 0.2866, 0.5519 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 11.9257, 0.2866, 0.5519

Background



This preview shows how black text looks on a background with the Yxy color 11.9257, 0.2866, 0.5519.



This preview shows how white text looks on a background with the Yxy color 11.9257, 0.2866, 0.5519.

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

11.9257, 0.2866, 0.5519

Protanopia

11.8313, 0.4198, 0.4645

Deuteranopia

11.8075, 0.4350, 0.4290



Tritanopia

12.1038, 0.2378, 0.3089

Trichromacy



Original Color

11.9257, 0.2866, 0.5519



Protanomaly

11.0646, 0.3488, 0.5111



Deuteranomaly

10.7908, 0.3556, 0.4865



Tritanomaly

11.8544, 0.2543, 0.3958

Monochromacy



Original Color

11.9257, 0.2866, 0.5519



Achromatopsia

6.1246, 0.3127, 0.3290



Achromatomaly

7.5089, 0.2908, 0.4241

CSS Examples

Text

The CSS property to change the color of the text to Yxy 11.9257, 0.2866, 0.5519 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, 113, 34)` looks like.

```
.text, #text, p{  
    color:rgb(0, 113, 34)  
}
```

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, 113, 34) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 113, 34) }
```

Border

The CSS property to change the border of an element to Yxy 11.9257, 0.2866, 0.5519 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, 113, 34) }
```

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

```
.border{ border-color:rgb(0, 113, 34) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 113, 34)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 113, 34); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 113, 34);  
box-shadow:4px 4px 4px 4px rgb(0, 113, 34)  
}
```


Background

The CSS property to change the background color of an element to Yxy 11.9257, 0.2866, 0.5519 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 113, 34) }
```

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

```
.background{ background-color: rgb(0, 113,  
34) }
```

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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