

Converting Colors

$Y_{xy}(11.0358, 0.2698, 0.4860)$

Have a look what the booklet for
Yxy(11.0358, 0.2698, 0.4860)
contains.

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Color

Yxy(11.0365, 0.2697, 0.4859)

Conversions

Conversions Part 1

Format	Color
Hex	046C38
RGB	4, 108, 56
RGB Percent	2%, 42%, 22%
CMY	0.9847, 0.5765, 0.7803
CMYK	0.96, 0.00, 0.48, 0.58
HSL	150°, 93%, 22%
HSV	150°, 96%, 42%
XYZ	6.1258, 11.0365, 5.5512
YIQ	70.9760, -45.2920, -38.2200

Conversions

Conversions Part 2

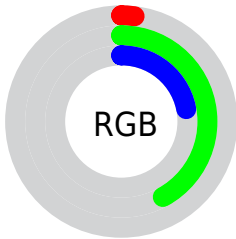
Format	Color
RYB	4, 73, 108
Decimal	289848
CIELab	39.64, -39.37, 21.77
CIELCh	40, 44.988, 151.053
Yxy	11.0365, 0.2697, 0.4859
Android (android.graphics.Color)	4278479928 (0xFF046C38)
YUV	70.9760, -7.3832, -58.7380
Hunter-Lab	33.2212, -25.2226, 13.3476

Details

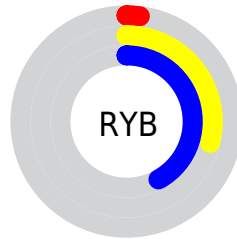
The Yxy color **11.0365, 0.2697, 0.4859** is a dark color, and the websafe version is hex **006633**. A complement of this color would be **3.5574, 0.4771, 0.2446**, and the grayscale version is **6.3106, 0.3127, 0.3290**.

A 20% lighter version of the original color is **27.5576, 0.2835, 0.4385**, and **3.1545, 0.2883, 0.5578** is the 20% darker color. If you saturate the color by 10%, you get **10.9931, 0.2701, 0.4924**, and if you desaturate by 10%, it is **11.1665, 0.2685, 0.4679**.

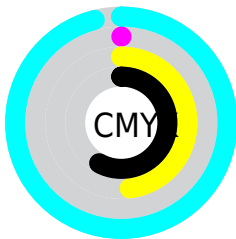
Distribution



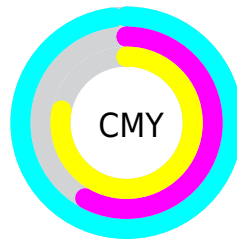
- Red (2%)
- Green (42%)
- Blue (22%)



- Red (2%)
- Yellow (29%)
- Blue (42%)



- Cyan (96%)
- Magenta (0%)
- Yellow (48%)
- Black (58%)



- Cyan (98%)
- Magenta (58%)
- Yellow (78%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 11.0365, 0.2697, 0.4859 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 11.0365, 0.2697, 0.4859 by changing the saturation by 10% instead.

■ 11.0365, 0.2697,
0.4859

■ 11.0365, 0.2697,
0.4859

■ 197.9178, 0.2996,
0.3828

■ 6.0914, 0.2562,
0.5267

■ 27.7276, 0.2839,
0.4395

■ 2.9007, 0.2324,
0.5944

■ 40.2425, 0.2881,
0.4251

■ 1.0801, 0.0472,
0.9528

■ 56.0493, 0.2912,
0.4140

■ 0.0000, 0.0000,
0.0000

■ 75.5326, 0.2936,
0.4052

■ 99.0767, 0.2956,
0.3981


■ 127.0660, 0.2972,

0.3921

 159.8849, 0.2985,
0.3871


 11.0365, 0.2697,
0.4859

 11.0365, 0.2697,
0.4859


 10.9931, 0.2701,
0.4924

 11.1665, 0.2685,
0.4679

 11.3421, 0.2688,
0.4494

 11.5770, 0.2708,
0.4308

 11.8770, 0.2745,
0.4126

 12.2469, 0.2795,
0.3951

■ 12.6912, 0.2856,
0.3786

■ 13.2139, 0.2925,
0.3632

■ 13.8188, 0.2999,
0.3492

■ 14.5094, 0.3077,
0.3365

Harmonies

Analogous

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



11.0365, 0.3622, 0.5172



11.0365, 0.2697, 0.4859



11.0365, 0.1940, 0.3807

Triad

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



11.0365, 0.2697, 0.4859



11.0365, 0.1775, 0.1848



11.0365, 0.5020, 0.3378

Complementary

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



11.0365, 0.2697, 0.4859



3.5574, 0.4771, 0.2446

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.



11.0365, 0.4358, 0.2738



11.0365, 0.2697, 0.4859



11.0365, 0.2387, 0.1904

Square

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



11.0365, 0.2697, 0.4859



11.0365, 0.1498, 0.2097



11.0365, 0.3324, 0.2217



11.0365, 0.5021, 0.4070

Rectangle

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



11.0365, 0.2697, 0.4859



11.0365, 0.1631, 0.3058



11.0365, 0.3324, 0.2217



11.0365, 0.4868, 0.3156

Sweetspot

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



11.0369, 0.2697, 0.4859



22.8692, 0.2900, 0.3683



11.5739, 0.3410, 0.5629



5.4629, 0.2878, 0.3733



57.0482, 0.3127, 0.3290



6.3724, 0.3127, 0.3290

Same Dimension

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



11.0369, 0.2697, 0.4859



19.2743, 0.2713, 0.4968



11.8340, 0.2255, 0.3287



3.4677, 0.3057, 0.3396



13.1056, 0.2705, 0.4939



66.6030, 0.2732, 0.5035

Inverse Universe

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



3.5574, 0.4771, 0.2446



6.0398, 0.4916, 0.2482



3.2815, 0.6282, 0.3299



3.1396, 0.3204, 0.3186



4.1141, 0.4879, 0.2462



20.7875, 0.5000, 0.2528

Previews

White Background



This preview shows how the Yxy color 11.0365, 0.2697, 0.4859 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 11.0365, 0.2697, 0.4859 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 11.0365, 0.2697, 0.4859

Background



This preview shows how black text looks on a background with the Yxy color 11.0365, 0.2697, 0.4859.



This preview shows how white text looks on a background with the Yxy color 11.0365, 0.2697, 0.4859.

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

11.0365, 0.2697, 0.4859

Protanopia

10.9513, 0.3921, 0.4250

Deuteranopia

10.9264, 0.3968, 0.3908



Tritanopia

11.0999, 0.2354, 0.3081

Trichromacy



Original Color

11.0365, 0.2697, 0.4859

Protanomaly

10.1857, 0.3262, 0.4535

Deuteranomaly

10.0980, 0.3285, 0.4297

Tritanomaly

10.8857, 0.2462, 0.3684

Monochromacy



Original Color

11.0365, 0.2697, 0.4859

Achromatopsia

6.3010, 0.3127, 0.3290

Achromatomaly

7.3383, 0.2810, 0.3872

CSS Examples

Text

The CSS property to change the color of the text to Yxy 11.0365, 0.2697, 0.4859 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(4, 108, 56)` looks like.

```
.text, #text, p{  
    color:rgb(4, 108, 56)  
}
```

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(4, 108, 56) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(4, 108, 56) }
```

Border

The CSS property to change the border of an element to Yxy 11.0365, 0.2697, 0.4859 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(4, 108, 56) }
```

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

```
.border{ border-color:rgb(4, 108, 56) }
```

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

Here you see how a box with a 4 pixel `rgb(4, 108, 56)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(4, 108, 56); -webkit-box-  
shadow:4px 4px 4px 4px rgb(4, 108, 56);  
box-shadow:4px 4px 4px 4px rgb(4, 108, 56)  
}
```


Background

The CSS property to change the background color of an element to Yxy 11.0365, 0.2697, 0.4859 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(4, 108, 56) }
```

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

```
.background{ background-color: rgb(4, 108,  
56) }
```

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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