

Converting Colors

$Y_{xy}(16.7590, 0.2900, 0.5567)$

Have a look what the booklet for
Yxy(16.7590, 0.2900, 0.5567)
contains.

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Color

$\text{Yxy}(16.6941, 0.2901, 0.5566)$

Conversions

Conversions Part 1

Format	Color
Hex	088426
RGB	8, 132, 38
RGB Percent	3%, 52%, 15%
CMY	0.9688, 0.4823, 0.8509
CMYK	0.94, 0.00, 0.71, 0.48
HSL	135°, 89%, 27%
HSV	135°, 94%, 52%
XYZ	8.7010, 16.6941, 4.5979
YIQ	84.2080, -43.7300, -55.5220

Conversions

Conversions Part 2

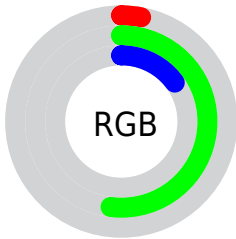
Format	Color
RYB	8, 108, 132
Decimal	558118
CIELab	47.87, -49.97, 40.48
CIELCh	48, 64.306, 140.989
Yxy	16.6941, 0.2901, 0.5566
Android (android.graphics.Color)	4278748198 (0xFF088426)
YUV	84.2080, -22.7805, -66.8344
Hunter-Lab	40.8584, -33.4899, 21.9288

Details

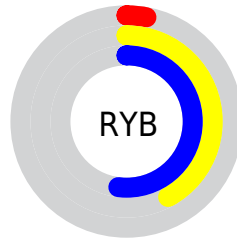
The Yxy color **16.6941, 0.2901, 0.5566** is a dark color, and the websafe version is hex **339933**. A complement of this color would be **6.0371, 0.3855, 0.1939**, and the grayscale version is **8.9639, 0.3127, 0.3290**.

A 20% lighter version of the original color is **37.6614, 0.3018, 0.4966**, and **5.8849, 0.3000, 0.6000** is the 20% darker color. If you saturate the color by 10%, you get **16.6076, 0.2911, 0.5679**, and if you desaturate by 10%, it is **16.8781, 0.2884, 0.5349**.

Distribution



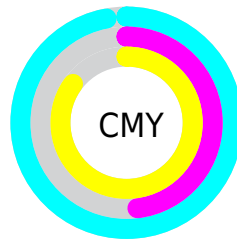
- Red (3%)
- Green (52%)
- Blue (15%)



- Red (3%)
- Yellow (42%)
- Blue (52%)



- Cyan (94%)
- Magenta (0%)
- Yellow (71%)
- Black (48%)




- Cyan (97%)
- Magenta (48%)
- Yellow (85%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 16.6941, 0.2901, 0.5566 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 16.6941, 0.2901, 0.5566 by changing the saturation by 10% instead.


 16.6941, 0.2901,
0.5566

 16.6941, 0.2901,
0.5566

233.4033, 0.3113,
0.4142


 10.0166, 0.2776,
0.6042


 37.7991, 0.3019,
0.4963


 5.4100, 0.2564,
0.6773

 52.9954, 0.3049,
0.4764

 2.4898, 0.2097,
0.7903

 71.8001, 0.3069,
0.4606

 0.8715, 0.0000,
1.0000

 94.5976, 0.3084,
0.4477

 0.0000, 0.0000,
0.0000

 121.7722, 0.3094,
0.4372

 153.7085, 0.3102,

0.4283

190.7907, 0.3108,
0.4207

■ 16.6941, 0.2901,
0.5566

■ 16.6941, 0.2901,
0.5566

■ 16.6076, 0.2911,
0.5679

■ 16.8781, 0.2884,
0.5349

■ 17.1553, 0.2879,
0.5098

■ 17.5388, 0.2888,
0.4827

■ 18.0384, 0.2909,
0.4548

■ 18.6628, 0.2940,
0.4274

■ 19.4199, 0.2977,
0.4015

■ 20.3168, 0.3020,
0.3774

■ 21.3604, 0.3064,
0.3556

■ 22.5568, 0.3109,
0.3361

Harmonies

Analogous

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



16.6941, 0.3988, 0.5453



16.6941, 0.2901, 0.5566



16.6941, 0.1924, 0.4446

Triad

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



16.6941, 0.2901, 0.5566



16.6941, 0.1389, 0.1635



16.6941, 0.5275, 0.3071

Complementary

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



16.6941, 0.2901, 0.5566



6.0371, 0.3855, 0.1939

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.



16.6941, 0.4231, 0.2388



16.6941, 0.2901, 0.5566



16.6941, 0.1943, 0.1606

Square

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



16.6941, 0.2901, 0.5566



16.6941, 0.1195, 0.2026



16.6941, 0.2929, 0.1868



16.6941, 0.5492, 0.3829

Rectangle

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



16.6941, 0.2901, 0.5566



16.6941, 0.1485, 0.3414



16.6941, 0.2929, 0.1868



16.6941, 0.5002, 0.2833

Sweetspot

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



16.6948, 0.2901, 0.5566



35.0190, 0.3000, 0.3883



19.4080, 0.3802, 0.5311



8.0186, 0.2984, 0.3975



67.3860, 0.3127, 0.3290



9.4630, 0.3127, 0.3290

Same Dimension

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



16.6948, 0.2901, 0.5566



29.2320, 0.2920, 0.5714



17.4542, 0.2485, 0.4092



5.2219, 0.3086, 0.3459



16.0802, 0.2910, 0.5677



0.0567, 0.2705, 0.4939

Inverse Universe

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



6.0371, 0.3855, 0.1939



10.2384, 0.3930, 0.1939



5.2390, 0.5611, 0.2939



4.7441, 0.3171, 0.3127



5.6420, 0.3911, 0.1928



0.0207, 0.3529, 0.1718

Previews

White Background



This preview shows how the Yxy color 16.6941, 0.2901, 0.5566 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 16.6941, 0.2901, 0.5566 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 16.6941, 0.2901, 0.5566

Background



This preview shows how black text looks on a background with the Yxy color 16.6941, 0.2901, 0.5566.



This preview shows how white text looks on a background with the Yxy color 16.6941, 0.2901, 0.5566.

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

16.6941, 0.2901, 0.5566

Protanopia

16.4321, 0.4244, 0.4670

Deuteranopia

16.5058, 0.4370, 0.4322



Tritanopia

16.6436, 0.2368, 0.3070

Trichromacy



Original Color

16.6941, 0.2901, 0.5566



Protanomaly

15.4391, 0.3544, 0.5125



Deuteranomaly

15.1797, 0.3607, 0.4876



Tritanomaly

16.1969, 0.2559, 0.3974

Monochromacy



Original Color

16.6941, 0.2901, 0.5566



Achromatopsia

8.8656, 0.3127, 0.3290



Achromatomaly

10.5534, 0.2941, 0.4253

CSS Examples

Text

The CSS property to change the color of the text to Yxy 16.6941, 0.2901, 0.5566 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(8, 132, 38)` looks like.

```
.text, #text, p{  
    color:rgb(8, 132, 38)  
}
```

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(8, 132, 38) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(8, 132, 38) }
```

Border

The CSS property to change the border of an element to Yxy 16.6941, 0.2901, 0.5566 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(8, 132, 38) }
```

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

```
.border{ border-color:rgb(8, 132, 38) }
```

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

Here you see how a box with a 4 pixel rgb(8, 132, 38) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(8, 132, 38); -webkit-box-  
shadow:4px 4px 4px 4px rgb(8, 132, 38);  
box-shadow:4px 4px 4px 4px rgb(8, 132, 38)  
}
```


Background

The CSS property to change the background color of an element to Yxy 16.6941, 0.2901, 0.5566 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(8, 132, 38) }
```

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

```
.background{ background-color: rgb(8, 132,  
38) }
```

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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