

Converting Colors

$Y_{xy}(15.5660, 0.2629, 0.6238)$

Have a look what the booklet for
Yxy(15.5660, 0.2629, 0.6238)
contains.

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Color

Yxy(16.5157, 0.2988, 0.5957)

Conversions

Conversions Part 1

Format	Color
Hex	008406
RGB	0, 132, 6
RGB Percent	0%, 52%, 2%
CMY	1.0000, 0.4823, 0.9762
CMYK	1.00, 0.00, 0.95, 0.48
HSL	123°, 100%, 26%
HSV	123°, 100%, 52%
XYZ	8.2842, 16.5157, 2.9250
YIQ	78.1680, -38.2260, -67.1700

Conversions

Conversions Part 2

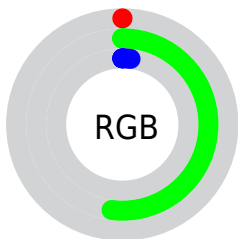
Format	Color
RYB	0, 126, 132
Decimal	33798
CIELab	47.64, -52.64, 49.83
CIELCh	48, 72.486, 136.570
Yxy	16.5157, 0.2988, 0.5957
Android (android.graphics.Color)	4278223878 (0xFF008406)
YUV	78.1680, -35.5788, -68.5533
Hunter-Lab	40.6395, -34.7327, 24.1803

Details

The Yxy color **16.5157, 0.2988, 0.5957** is a dark color, and the websafe version is hex **339933**. A complement of this color would be **6.4106, 0.3324, 0.1605**, and the grayscale version is **7.7279, 0.3127, 0.3290**.

A 20% lighter version of the original color is **37.3621, 0.3125, 0.5273**, and **5.8849, 0.3000, 0.6000** is the 20% darker color. If you saturate the color by 10%, you get **16.5165, 0.2988, 0.5957**, and if you desaturate by 10%, it is **16.6362, 0.2991, 0.5830**.

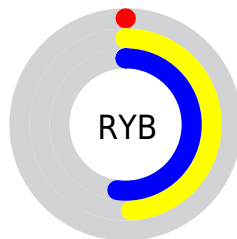
Distribution



Red (0%)

Green (52%)

Blue (2%)



Red (0%)

Yellow (49%)

Blue (52%)

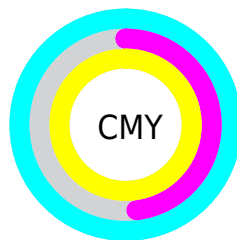


Cyan (100%)

Magenta (0%)

Yellow (95%)

Black (48%)



Cyan (100%)


Magenta (48%)


Yellow (98%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 16.5157, 0.2988, 0.5957 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 16.5157, 0.2988, 0.5957 by changing the saturation by 10% instead.


 16.5157, 0.2988,
0.5957


 16.5157, 0.2988,
0.5957


232.3658, 0.3190,
0.4303


 9.8898, 0.2835,
0.6474


 37.4912, 0.3120,
0.5271


 5.3260, 0.2620,
0.7380

 52.6096, 0.3149,
0.5038


 2.4398, 0.1898,
0.8102

 71.3276, 0.3166,
0.4852

 0.8462, 0.0000,
1.0000


 94.0296, 0.3177,
0.4701


 0.0000, 0.0000,
0.0000


 121.1001, 0.3183,
0.4575


 152.9233, 0.3187,

0.4470


 189.8838, 0.3189,
0.4380


 16.5157, 0.2988,
0.5957

 16.5157, 0.2988,
0.5957


 16.5165, 0.2988,
0.5957

 16.6362, 0.2991,
0.5830

 16.8284, 0.2994,
0.5636

 17.1271, 0.3002,
0.5376

 17.5445, 0.3014,
0.5069

 18.0916, 0.3031,
0.4738

■ 18.7777, 0.3050,
0.4405

■ 19.6114, 0.3070,
0.4086

■ 20.6007, 0.3090,
0.3791

■ 21.7529, 0.3109,
0.3525

Harmonies

Analogous

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



16.5157, 0.4163, 0.5540



16.5157, 0.2988, 0.5957



16.5157, 0.1901, 0.4877

Triad

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



16.5157, 0.2988, 0.5957



16.5157, 0.1189, 0.1513



16.5157, 0.5418, 0.2896

Complementary

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



16.5157, 0.2988, 0.5957



6.4106, 0.3324, 0.1605

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.



16.5157, 0.4141, 0.2194



16.5157, 0.2988, 0.5957



16.5157, 0.1707, 0.1444

Square

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



16.5157, 0.2988, 0.5957



16.5157, 0.1032, 0.1981



16.5157, 0.2701, 0.1679



16.5157, 0.5762, 0.3674

Rectangle

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



16.5157, 0.2988, 0.5957



16.5157, 0.1393, 0.3655



16.5157, 0.2701, 0.1679



16.5157, 0.5070, 0.2651

Sweetspot

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



16.5165, 0.2988, 0.5957



34.4372, 0.3069, 0.4107



21.0617, 0.4137, 0.5097



7.8886, 0.3062, 0.4220



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.



16.5165, 0.2988, 0.5957



29.0864, 0.2991, 0.5968



16.9505, 0.2680, 0.4849



5.2080, 0.3111, 0.3503



15.9917, 0.2988, 0.5956



0.0556, 0.2934, 0.5761

Inverse Universe

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



6.4106, 0.3324, 0.1605



11.2857, 0.3327, 0.1606



5.2492, 0.5039, 0.2549



4.7592, 0.3144, 0.3085



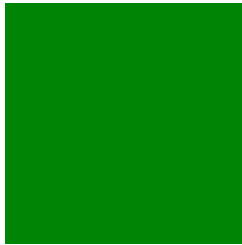
6.2070, 0.3324, 0.1605



0.0218, 0.3262, 0.1571

Previews

White Background



This preview shows how the Yxy color 16.5157, 0.2988, 0.5957 looks on a white background.

Color Contrast Check

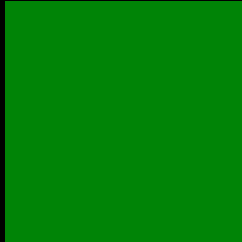
Large Text (above 18pt) WCAG AA ✓ Pass

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 16.5157, 0.2988, 0.5957 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 16.5157, 0.2988, 0.5957

Background



This preview shows how black text looks on a background with the Yxy color 16.5157, 0.2988, 0.5957.



This preview shows how white text looks on a background with the Yxy color 16.5157, 0.2988, 0.5957.

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

16.5157, 0.2988, 0.5957

Protanopia

16.3223, 0.4394, 0.4893

Deuteranopia

16.3549, 0.4566, 0.4489



Tritanopia

16.6716, 0.2375, 0.3071

Trichromacy



Original Color

16.5157, 0.2988, 0.5957



Protanomaly

15.1867, 0.3645, 0.5470



Deuteranomaly

14.7186, 0.3744, 0.5200



Tritanomaly

15.9672, 0.2639, 0.4267

Monochromacy



Original Color

16.5157, 0.2988, 0.5957



Achromatopsia

7.6185, 0.3127, 0.3290



Achromatomaly

9.6614, 0.3038, 0.4657

CSS Examples

Text

The CSS property to change the color of the text to Yxy 16.5157, 0.2988, 0.5957 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, 132, 6)` looks like.

```
.text, #text, p{  
    color:rgb(0, 132, 6)  
}
```

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, 132, 6) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 132, 6) }
```

Border

The CSS property to change the border of an element to Yxy 16.5157, 0.2988, 0.5957 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, 132, 6) }
```

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

```
.border{ border-color:rgb(0, 132, 6) }
```

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

Here you see how a box with a 4 pixel rgb(0, 132, 6) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 132, 6); -webkit-box-shadow:4px  
4px 4px 4px rgb(0, 132, 6); box-shadow:4px  
4px 4px 4px rgb(0, 132, 6) }
```


Background

The CSS property to change the background color of an element to Yxy 16.5157, 0.2988, 0.5957 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 132, 6) }
```

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

```
.background{ background-color: rgb(0, 132,  
6) }
```

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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