

Converting Colors

$Y_{xy}(16.9521, 0.3556, 0.5559)$

Have a look what the booklet for
Yxy(16.9521, 0.3556, 0.5559)
contains.

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Color

Yxy(16.8410, 0.3565, 0.5552)

Conversions

Conversions Part 1

Format	Color
Hex	4F7F00
RGB	79, 127, 0
RGB Percent	31%, 50%, 0%
CMY	0.6902, 0.5020, 1.0000
CMYK	0.38, 0.00, 1.00, 0.50
HSL	83°, 100%, 25%
HSV	83°, 100%, 50%
XYZ	10.8138, 16.8410, 2.6784
YIQ	98.1700, 12.1590, -49.6730

Conversions

Conversions Part 2

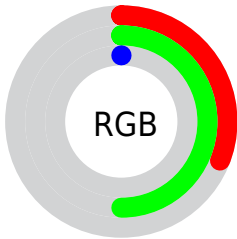
Format	Color
RYB	0, 127, 48
Decimal	5209856
CIELab	48.06, -33.84, 52.28
CIELCh	48, 62.275, 122.912
Yxy	16.8410, 0.3565, 0.5552
Android (android.graphics.Color)	4283399936 (0xFF4F7F00)
YUV	98.1700, -48.3978, -16.8121
Hunter-Lab	41.0378, -24.7799, 24.8568

Details

The Yxy color **16.8410, 0.3565, 0.5552** is a dark color, and the websafe version is hex **669933**. A complement of this color would be **2.1607, 0.1840, 0.0787**, and the grayscale version is **12.3802, 0.3127, 0.3290**.

A 20% lighter version of the original color is **37.9992, 0.3557, 0.5021**, and **5.5144, 0.3225, 0.5821** is the 20% darker color. If you saturate the color by 10%, you get **16.8419, 0.3565, 0.5552**, and if you desaturate by 10%, it is **17.0835, 0.3592, 0.5431**.

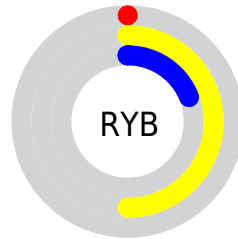
Distribution



Red (31%)

Green (50%)

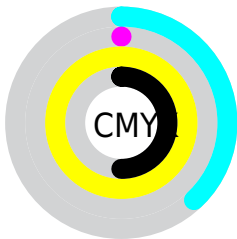
Blue (0%)



Red (0%)

Yellow (50%)

Blue (19%)

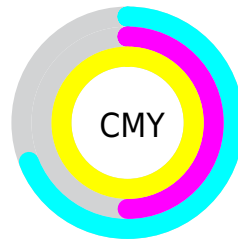


Cyan (38%)

Magenta (0%)

Yellow (100%)

Black (50%)



Cyan (69%)


Magenta (50%)

Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 16.8410, 0.3565, 0.5552 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 16.8410, 0.3565, 0.5552 by changing the saturation by 10% instead.


 16.8410, 0.3565,
0.5552


 16.8410, 0.3565,
0.5552

234.2544, 0.3419,
0.4208


 10.1212, 0.3521,
0.5932


 38.0522, 0.3554,
0.5018


 5.4794, 0.3454,
0.6546

 53.3124, 0.3534,
0.4830

 2.5312, 0.3022,
0.6978

 72.1881, 0.3513,
0.4676

 0.8922, 0.0240,
0.9760


 95.0639, 0.3491,
0.4549


 0.0000, 0.0000,
0.0000


 122.3240, 0.3471,
0.4443

 154.3528, 0.3452,


0.4352


 191.5349, 0.3434,
0.4275


 16.8410, 0.3565,
0.5552

 16.8410, 0.3565,
0.5552

 16.8419, 0.3565,
0.5552

 17.0835, 0.3592,
0.5431

 17.3557, 0.3605,
0.5279

 17.6683, 0.3595,
0.5083

 18.0247, 0.3564,
0.4851

 18.4277, 0.3514,
0.4594

■ 18.8799, 0.3449,
0.4324

■ 19.3835, 0.3375,
0.4051

■ 19.9407, 0.3294,
0.3784

■ 20.5536, 0.3210,
0.3529

Harmonies

Analogous

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



16.8410, 0.4570, 0.4978



16.8410, 0.3565, 0.5552



16.8410, 0.2511, 0.5175

Triad

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



16.8410, 0.3565, 0.5552



16.8410, 0.1277, 0.1860



16.8410, 0.4667, 0.2669

Complementary

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



16.8410, 0.3565, 0.5552



2.1607, 0.1840, 0.0787

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.



16.8410, 0.3424, 0.2080



16.8410, 0.3565, 0.5552



16.8410, 0.1601, 0.1628

Square

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



16.8410, 0.3565, 0.5552



16.8410, 0.1287, 0.2542



16.8410, 0.2307, 0.1716



16.8410, 0.5398, 0.3376

Rectangle

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



16.8410, 0.3565, 0.5552



16.8410, 0.1915, 0.4308



16.8410, 0.2307, 0.1716



16.8410, 0.4276, 0.2454

Sweetspot

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



16.8419, 0.3565, 0.5552



34.6423, 0.3380, 0.4070



6.5109, 0.5735, 0.3829



8.0338, 0.3407, 0.4167



65.5931, 0.3127, 0.3290



8.8982, 0.3127, 0.3290

Same Dimension

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



16.8419, 0.3565, 0.5552



30.0716, 0.3551, 0.5563



15.2980, 0.3048, 0.5962



4.9408, 0.3203, 0.3507



16.9840, 0.3565, 0.5552



0.0000, 0.0000, 0.0000

Inverse Universe

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



2.1607, 0.1840, 0.0787



3.7890, 0.1818, 0.0775



4.8518, 0.2885, 0.1363



4.2848, 0.3047, 0.3071



2.1783, 0.1840, 0.0787



0.0000, 0.0000, 0.0000

Previews

White Background



This preview shows how the Yxy color 16.8410, 0.3565, 0.5552 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 16.8410, 0.3565, 0.5552 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

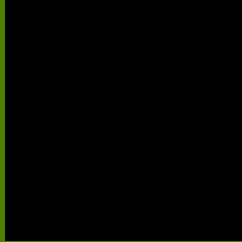
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 16.8410, 0.3565, 0.5552

Background



This preview shows how black text looks on a background with the Yxy color 16.8410, 0.3565, 0.5552.



This preview shows how white text looks on a background with the Yxy color 16.8410, 0.3565, 0.5552.

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

16.8410, 0.3565, 0.5552

Protanopia

16.6238, 0.4393, 0.4894

Deuteranopia

16.6350, 0.4590, 0.4527



Tritanopia

16.8163, 0.2736, 0.3104

Trichromacy



Original Color

16.8410, 0.3565, 0.5552

Protanomaly

16.5086, 0.4066, 0.5153

Deuteranomaly

16.2919, 0.4213, 0.4913

Tritanomaly

16.3435, 0.3168, 0.4193

Monochromacy



Original Color

16.8410, 0.3565, 0.5552

Achromatopsia

12.2139, 0.3127, 0.3290

Achromatomaly

13.5092, 0.3463, 0.4391

CSS Examples

Text

The CSS property to change the color of the text to Yxy 16.8410, 0.3565, 0.5552 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(79, 127, 0)` looks like.

```
.text, #text, p{  
  color:rgb(79, 127, 0)  
}
```

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(79, 127, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(79, 127, 0) }
```

Border

The CSS property to change the border of an element to Yxy 16.8410, 0.3565, 0.5552 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(79, 127, 0) }
```

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

```
.border{ border-color:rgb(79, 127, 0) }
```

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

Here you see how a box with a 4 pixel rgb(79, 127, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(79, 127, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(79, 127, 0);  
box-shadow:4px 4px 4px 4px rgb(79, 127, 0)  
}
```


Background

The CSS property to change the background color of an element to Yxy 16.8410, 0.3565, 0.5552 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(79, 127, 0) }
```

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

```
.background{ background-color: rgb(79, 127,  
0) }
```

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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