

Converting Colors

$Y_{xy}(18.0163, 0.3854, 0.5322)$

Have a look what the booklet for
Yxy(18.0163, 0.3854, 0.5322)
contains.

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Color

Yxy(18.0035, 0.3860, 0.5317)

Conversions

Conversions Part 1

Format	Color
Hex	667F00
RGB	102, 127, 0
RGB Percent	40%, 50%, 0%
CMY	0.5999, 0.5020, 0.9999
CMYK	0.20, 0.00, 1.00, 0.50
HSL	72°, 100%, 25%
HSV	72°, 100%, 50%
XYZ	13.0701, 18.0035, 2.7867
YIQ	105.0470, 25.8670, -44.7970

Conversions

Conversions Part 2

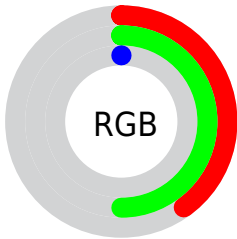
Format	Color
RYB	0, 127, 25
Decimal	6717184
CIELab	49.50, -24.25, 53.99
CIELCh	50, 59.189, 114.188
Yxy	18.0035, 0.3860, 0.5317
Android (android.graphics.Color)	4284907264 (0xFF667F00)
YUV	105.0470, -51.7882, -2.6722
Hunter-Lab	42.4305, -19.2693, 25.8074

Details

The Yxy color **18.0035, 0.3860, 0.5317** is a dark color, and the websafe version is hex **669933**. A complement of this color would be **1.7397, 0.1618, 0.0665**, and the grayscale version is **14.2797, 0.3127, 0.3290**.

A 20% lighter version of the original color is **40.0921, 0.3770, 0.4878**, and **6.1269, 0.3628, 0.5502** is the 20% darker color. If you saturate the color by 10%, you get **18.0039, 0.3860, 0.5317**, and if you desaturate by 10%, it is **18.1809, 0.3861, 0.5227**.

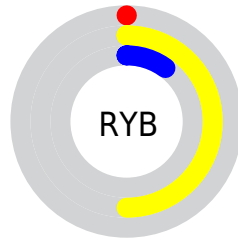
Distribution



Red (40%)

Green (50%)

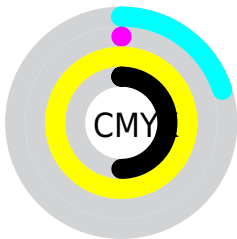
Blue (0%)



Red (0%)

Yellow (50%)

Blue (10%)

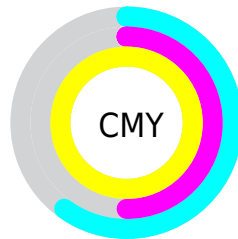


Cyan (20%)

Magenta (0%)

Yellow (100%)

Black (50%)



Cyan (60%)


Magenta (50%)


Yellow (100%)


Brightness & Saturation Gradients


These gradients show how the Yxy color 18.0035, 0.3860, 0.5317 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 18.0035, 0.3860, 0.5317 by changing the saturation by 10% instead.


 18.0035, 0.3860,
0.5317


 18.0035, 0.3860,
0.5317


 240.8908, 0.3538,
0.4157


 10.9525, 0.3875,
0.5619


 40.0433, 0.3776,
0.4873


 6.0349, 0.3901,
0.6099

 55.8009, 0.3732,
0.4711

 2.8663, 0.3616,
0.6384

 75.2294, 0.3691,
0.4577

 1.0623, 0.2773,
0.7227


 98.7134, 0.3653,
0.4465


 0.0000, 0.0000,
0.0000


 126.6371, 0.3619,
0.4370


 159.3849, 0.3589,


0.4288


 197.3414, 0.3562,
0.4218


 18.0035, 0.3860,
0.5317


 18.0035, 0.3860,
0.5317


 18.0039, 0.3860,
0.5317

 18.1809, 0.3861,
0.5227

 18.3773, 0.3846,
0.5109

 18.6032, 0.3807,
0.4948

 18.8616, 0.3745,
0.4751

 19.1552, 0.3664,
0.4526

■ 19.4862, 0.3568,
0.4282

■ 19.8567, 0.3462,
0.4028

■ 20.2687, 0.3351,
0.3774

■ 20.7240, 0.3238,
0.3526

Harmonies

Analogous

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



18.0035, 0.4749, 0.4691



18.0035, 0.3860, 0.5317



18.0035, 0.2851, 0.5246

Triad

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



18.0035, 0.3860, 0.5317



18.0035, 0.1339, 0.2087



18.0035, 0.4248, 0.2532

Complementary

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



18.0035, 0.3860, 0.5317



1.7397, 0.1618, 0.0665

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.



18.0035, 0.3074, 0.2020



18.0035, 0.3860, 0.5317



18.0035, 0.1557, 0.1747

Square

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



18.0035, 0.3860, 0.5317



18.0035, 0.1455, 0.2895



18.0035, 0.2123, 0.1744



18.0035, 0.5127, 0.3191

Rectangle

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



18.0035, 0.3860, 0.5317



18.0035, 0.2229, 0.4610



18.0035, 0.2123, 0.1744



18.0035, 0.3859, 0.2339

Sweetspot

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



18.0043, 0.3860, 0.5317



35.5076, 0.3470, 0.4047



5.1371, 0.6160, 0.3491



8.2566, 0.3509, 0.4138



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.



18.0043, 0.3860, 0.5317



32.1789, 0.3852, 0.5323



15.6346, 0.3176, 0.5860



4.9780, 0.3228, 0.3505



18.1570, 0.3860, 0.5317



0.0000, 0.0000, 0.0000

Inverse Universe

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



1.7397, 0.1618, 0.0665



3.0611, 0.1601, 0.0656



3.5491, 0.2446, 0.1121



4.2493, 0.3021, 0.3069



1.7532, 0.1617, 0.0665



0.0000, 0.0000, 0.0000

Previews

White Background



This preview shows how the Yxy color 18.0035, 0.3860, 0.5317 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 18.0035, 0.3860, 0.5317 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

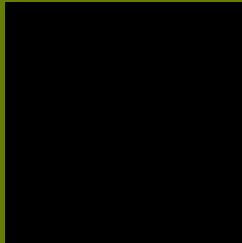
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 18.0035, 0.3860, 0.5317

Background



This preview shows how black text looks on a background with the Yxy color 18.0035, 0.3860, 0.5317.



This preview shows how white text looks on a background with the Yxy color 18.0035, 0.3860, 0.5317.

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

18.0035, 0.3860, 0.5317

Protanopia

17.9434, 0.4400, 0.4888

Deuteranopia

17.7266, 0.4622, 0.4538



Tritanopia

17.9999, 0.2963, 0.3116

Trichromacy



Original Color

18.0035, 0.3860, 0.5317

Protanomaly

17.8123, 0.4207, 0.5042

Deuteranomaly

17.5824, 0.4342, 0.4830

Tritanomaly

17.5200, 0.3439, 0.4118

Monochromacy



Original Color

18.0035, 0.3860, 0.5317

Achromatopsia

14.1263, 0.3127, 0.3290

Achromatomaly

15.1586, 0.3571, 0.4287

CSS Examples

Text

The CSS property to change the color of the text to Yxy 18.0035, 0.3860, 0.5317 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(102, 127, 0)` looks like.

```
.text, #text, p{  
    color:rgb(102, 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(102, 127, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(102, 127, 0) }
```

Border

The CSS property to change the border of an element to Yxy 18.0035, 0.3860, 0.5317 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(102, 127, 0) }
```

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

```
.border{ border-color:rgb(102, 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(102, 127, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(102, 127, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(102, 127, 0);  
box-shadow:4px 4px 4px 4px rgb(102, 127,  
0) }
```


Background

The CSS property to change the background color of an element to Yxy 18.0035, 0.3860, 0.5317 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(102, 127, 0) }
```

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

```
.background{ background-color: rgb(102,  
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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