

Converting Colors

$Y_{xy}(17.2943, 0.3649, 0.5485)$

Have a look what the booklet for
Yxy(17.2943, 0.3649, 0.5485)
contains.

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Color

Yxy(17.4168, 0.3643, 0.5490)

Conversions

Conversions Part 1

Format	Color
Hex	568000
RGB	86, 128, 0
RGB Percent	34%, 50%, 0%
CMY	0.6627, 0.4980, 1.0000
CMYK	0.33, 0.00, 1.00, 0.50
HSL	80°, 100%, 25%
HSV	80°, 100%, 50%
XYZ	11.5573, 17.4168, 2.7505
YIQ	100.8500, 16.0560, -48.7120

Conversions

Conversions Part 2

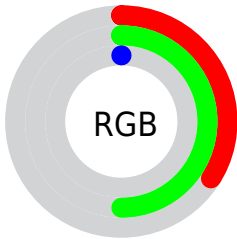
Format	Color
RYB	0, 128, 42
Decimal	5668864
CIELab	48.78, -31.52, 53.01
CIELCh	49, 61.671, 120.736
Yxy	17.4168, 0.3643, 0.5490
Android (android.graphics.Color)	4283858944 (0xFF568000)
YUV	100.8500, -49.7190, -13.0234
Hunter-Lab	41.7334, -23.6014, 25.3058

Details

The Yxy color **17.4168, 0.3643, 0.5490** is a dark color, and the websafe version is hex **669933**. A complement of this color would be **2.0506, 0.1766, 0.0747**, and the grayscale version is **13.1018, 0.3127, 0.3290**.

A 20% lighter version of the original color is **39.0048, 0.3612, 0.4979**, and **5.7721, 0.3331, 0.5737** is the 20% darker color. If you saturate the color by 10%, you get **17.4177, 0.3643, 0.5490**, and if you desaturate by 10%, it is **17.6515, 0.3664, 0.5377**.

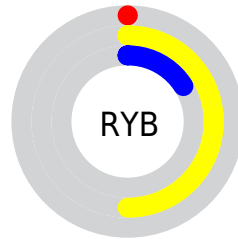
Distribution



Red (34%)

Green (50%)

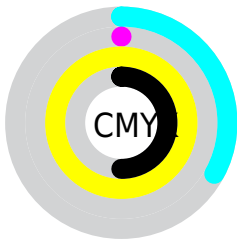
Blue (0%)



Red (0%)

Yellow (50%)

Blue (16%)

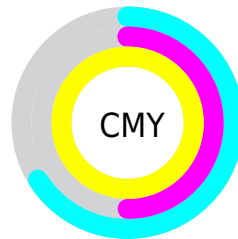


Cyan (33%)

Magenta (0%)

Yellow (100%)

Black (50%)



Cyan (66%)


Magenta (50%)

Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 17.4168, 0.3643, 0.5490 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 17.4168, 0.3643, 0.5490 by changing the saturation by 10% instead.


 17.4168, 0.3643,
0.5490


 17.4168, 0.3643,
0.5490


237.5630, 0.3450,
0.4198


 10.5321, 0.3616,
0.5847


 39.0410, 0.3613,
0.4982


 5.7532, 0.3576,
0.6424

 54.5493, 0.3587,
0.4801


 2.6956, 0.3189,
0.6811

 73.7010, 0.3560,
0.4653

 0.9749, 0.1368,
0.8632

 96.8804, 0.3534,
0.4530


 0.0000, 0.0000,
0.0000

 124.4718, 0.3510,
0.4427

 156.8598, 0.3488,


0.4339

 194.4287, 0.3469,
0.4263


 17.4168, 0.3643,
0.5490


 17.4168, 0.3643,
0.5490


 17.4177, 0.3643,
0.5490

 17.6515, 0.3664,
0.5377

 17.9129, 0.3670,
0.5234

 18.2119, 0.3653,
0.5048

 18.5518, 0.3613,
0.4825

 18.9352, 0.3555,
0.4577

■ 19.3647, 0.3482,
0.4313

■ 19.8425, 0.3399,
0.4045

■ 20.3709, 0.3310,
0.3782

■ 20.9517, 0.3218,
0.3529

Harmonies

Analogous

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



17.4168, 0.4619, 0.4901



17.4168, 0.3643, 0.5490



17.4168, 0.2600, 0.5198

Triad

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



17.4168, 0.3643, 0.5490



17.4168, 0.1293, 0.1917



17.4168, 0.4557, 0.2635

Complementary

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



17.4168, 0.3643, 0.5490



2.0506, 0.1766, 0.0747

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.



17.4168, 0.3330, 0.2065



17.4168, 0.3643, 0.5490



17.4168, 0.1590, 0.1658

Square

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



17.4168, 0.3643, 0.5490



17.4168, 0.1330, 0.2631



17.4168, 0.2258, 0.1724



17.4168, 0.5330, 0.3329

Rectangle

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



17.4168, 0.3643, 0.5490



17.4168, 0.1995, 0.4390



17.4168, 0.2258, 0.1724



17.4168, 0.4165, 0.2425

Sweetspot

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



17.4177, 0.3643, 0.5490



34.8739, 0.3405, 0.4064



6.1432, 0.5867, 0.3724



8.0932, 0.3435, 0.4159



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.



17.4177, 0.3643, 0.5490



30.5854, 0.3631, 0.5499



15.6266, 0.3074, 0.5942



4.9510, 0.3210, 0.3506



17.2711, 0.3643, 0.5489



0.0000, 0.0000, 0.0000

Inverse Universe

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



2.0506, 0.1766, 0.0747



3.5387, 0.1745, 0.0735



4.5337, 0.2763, 0.1296



4.2749, 0.3039, 0.3071



2.0340, 0.1767, 0.0747



0.0000, 0.0000, 0.0000

Previews

White Background



This preview shows how the Yxy color 17.4168, 0.3643, 0.5490 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 17.4168, 0.3643, 0.5490 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

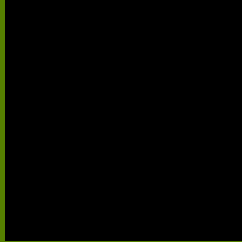
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 17.4168, 0.3643, 0.5490

Background



This preview shows how black text looks on a background with the Yxy color 17.4168, 0.3643, 0.5490.



This preview shows how white text looks on a background with the Yxy color 17.4168, 0.3643, 0.5490.

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

17.4168, 0.3643, 0.5490

Protanopia

17.2366, 0.4390, 0.4897

Deuteranopia

17.3330, 0.4600, 0.4528



Tritanopia

17.4048, 0.2793, 0.3108

Trichromacy



Original Color

17.4168, 0.3643, 0.5490

Protanomaly

17.0103, 0.4110, 0.5119

Deuteranomaly

17.0451, 0.4242, 0.4896

Tritanomaly

16.8928, 0.3240, 0.4191

Monochromacy



Original Color

17.4168, 0.3643, 0.5490

Achromatopsia

13.0136, 0.3127, 0.3290

Achromatomaly

14.2258, 0.3502, 0.4357

CSS Examples

Text

The CSS property to change the color of the text to Yxy 17.4168, 0.3643, 0.5490 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(86, 128, 0)` looks like.

```
.text, #text, p{  
    color:rgb(86, 128, 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(86, 128, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(86, 128, 0) }
```

Border

The CSS property to change the border of an element to Yxy 17.4168, 0.3643, 0.5490 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(86, 128, 0) }
```

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

```
.border{ border-color:rgb(86, 128, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(86, 128, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(86, 128, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(86, 128, 0);  
box-shadow:4px 4px 4px 4px rgb(86, 128, 0)  
}
```


Background

The CSS property to change the background color of an element to Yxy 17.4168, 0.3643, 0.5490 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(86, 128, 0) }
```

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

```
.background{ background-color: rgb(86, 128,  
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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