

Converting Colors

$Y_{xy}(14.1211, 0.3566, 0.5788)$

Have a look what the booklet for
Yxy(14.1211, 0.3566, 0.5788)
contains.

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Color

Yxy(14.1858, 0.3500, 0.5603)

Conversions

Conversions Part 1

Format	Color
Hex	447600
RGB	68, 118, 0
RGB Percent	27%, 46%, 0%
CMY	0.7334, 0.5372, 1.0000
CMYK	0.42, 0.00, 1.00, 0.54
HSL	85°, 100%, 23%
HSV	85°, 100%, 46%
XYZ	8.8614, 14.1858, 2.2710
YIQ	89.5980, 8.0780, -47.2980

Conversions

Conversions Part 2

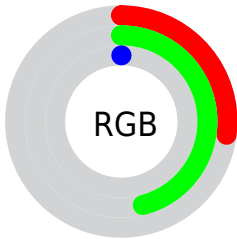
Format	Color
RYB	0, 118, 50
Decimal	4486656
CIELab	44.50, -34.05, 49.25
CIELCh	44, 59.876, 124.655
Yxy	14.1858, 0.3500, 0.5603
Android (android.graphics.Color)	4282676736 (0xFF447600)
YUV	89.5980, -44.1718, -18.9414
Hunter-Lab	37.6640, -23.9156, 22.7898

Details

The Yxy color **14.1858, 0.3500, 0.5603** is a dark color, and the websafe version is hex **336600**. A complement of this color would be **1.9871, 0.1923, 0.0833**, and the grayscale version is **10.2285, 0.3127, 0.3290**.

A 20% lighter version of the original color is **33.5386, 0.3498, 0.5031**, and **4.3208, 0.3091, 0.5928** is the 20% darker color. If you saturate the color by 10%, you get **14.1863, 0.3500, 0.5603**, and if you desaturate by 10%, it is **14.4000, 0.3530, 0.5471**.

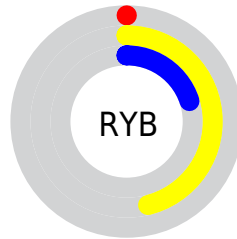
Distribution



Red (27%)

Green (46%)

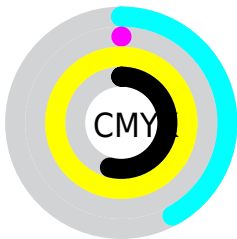
Blue (0%)



Red (0%)

Yellow (46%)

Blue (20%)

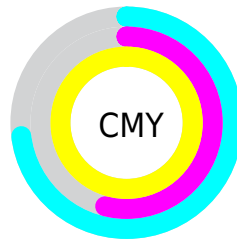


Cyan (42%)

Magenta (0%)

Yellow (100%)

Black (54%)



Cyan (73%)


Magenta (54%)


Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 14.1858, 0.3500, 0.5603 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 14.1858, 0.3500, 0.5603 by changing the saturation by 10% instead.


 14.1858, 0.3500,
0.5603


 14.1858, 0.3500,
0.5603


218.3837, 0.3386,
0.4188


 8.2500, 0.3443,
0.6034


 33.4183, 0.3504,
0.5026

 4.2553, 0.3314,
0.6686

 47.4839, 0.3488,
0.4827


 1.8174, 0.2765,
0.7235

 65.0281, 0.3470,
0.4667

 0.4980, 0.0000,
1.0000

 86.4354, 0.3451,
0.4536


 0.0000, 0.0000,
0.0000


 112.0903, 0.3433,
0.4427


 142.3770, 0.3416,

0.4335


 177.6800, 0.3401,
0.4256


 14.1858, 0.3500,
0.5603


 14.1858, 0.3500,
0.5603


 14.1863, 0.3500,
0.5603

 14.4000, 0.3530,
0.5471

 14.6416, 0.3547,
0.5310

 14.9204, 0.3542,
0.5104

 15.2394, 0.3517,
0.4864

 15.6009, 0.3474,
0.4600

■ 16.0071, 0.3418,
0.4326

■ 16.4602, 0.3351,
0.4050

■ 16.9620, 0.3278,
0.3782

■ 17.5142, 0.3203,
0.3527

Harmonies

Analogous

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



14.1858, 0.4529, 0.5041



14.1858, 0.3500, 0.5603



14.1858, 0.2438, 0.5154

Triad

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



14.1858, 0.3500, 0.5603



14.1858, 0.1264, 0.1814



14.1858, 0.4757, 0.2697

Complementary

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



14.1858, 0.3500, 0.5603



1.9871, 0.1923, 0.0833

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.



14.1858, 0.3502, 0.2093



14.1858, 0.3500, 0.5603



14.1858, 0.1611, 0.1604

Square

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



14.1858, 0.3500, 0.5603



14.1858, 0.1253, 0.2470



14.1858, 0.2349, 0.1710



14.1858, 0.5451, 0.3413

Rectangle

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



14.1858, 0.3500, 0.5603



14.1858, 0.1849, 0.4238



14.1858, 0.2349, 0.1710



14.1858, 0.4368, 0.2478

Sweetspot

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



14.1864, 0.3500, 0.5603



28.8769, 0.3356, 0.4070



6.0630, 0.5585, 0.3948



6.5773, 0.3379, 0.4161



60.3827, 0.3127, 0.3290



7.3239, 0.3127, 0.3290

Same Dimension

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



14.1864, 0.3500, 0.5603



24.8639, 0.3484, 0.5615



13.0216, 0.3030, 0.5976



4.1926, 0.3195, 0.3504



15.3387, 0.3498, 0.5605



74.2347, 0.3463, 0.5632

Inverse Universe

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



1.9871, 0.1923, 0.0833



3.4190, 0.1899, 0.0820



4.5072, 0.3009, 0.1431



3.6587, 0.3054, 0.3075



2.1422, 0.1919, 0.0831



9.9564, 0.1866, 0.0802

Previews

White Background



This preview shows how the Yxy color 14.1858, 0.3500, 0.5603 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 14.1858, 0.3500, 0.5603 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 14.1858, 0.3500, 0.5603

Background



This preview shows how black text looks on a background with the Yxy color 14.1858, 0.3500, 0.5603.



This preview shows how white text looks on a background with the Yxy color 14.1858, 0.3500, 0.5603.

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

14.1858, 0.3500, 0.5603

Protanopia

13.9547, 0.4392, 0.4894

Deuteranopia

14.0858, 0.4570, 0.4521



Tritanopia

14.2537, 0.2690, 0.3111

Trichromacy



Original Color

14.1858, 0.3500, 0.5603

Protanomaly

13.8612, 0.4042, 0.5173

Deuteranomaly

13.8011, 0.4168, 0.4937

Tritanomaly

13.8960, 0.3108, 0.4220

Monochromacy



Original Color

14.1858, 0.3500, 0.5603

Achromatopsia

10.2242, 0.3127, 0.3290

Achromatomaly

11.2036, 0.3435, 0.4385

CSS Examples

Text

The CSS property to change the color of the text to Yxy 14.1858, 0.3500, 0.5603 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(68, 118, 0)` looks like.

```
.text, #text, p{  
    color:rgb(68, 118, 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(68, 118, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(68, 118, 0) }
```

Border

The CSS property to change the border of an element to Yxy 14.1858, 0.3500, 0.5603 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(68, 118, 0) }
```

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

```
.border{ border-color:rgb(68, 118, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(68, 118, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(68, 118, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(68, 118, 0);  
box-shadow:4px 4px 4px 4px rgb(68, 118, 0)  
}
```


Background

The CSS property to change the background color of an element to Yxy 14.1858, 0.3500, 0.5603 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(68, 118, 0) }
```

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

```
.background{ background-color: rgb(68, 118,  
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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