

Converting Colors

$Y_{xy}(13.9822, 0.3633, 0.5632)$

Have a look what the booklet for
Yxy(13.9822, 0.3633, 0.5632)
contains.

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Color

Yxy(13.9466, 0.3595, 0.5528)

Conversions

Conversions Part 1	
Format	Color
Hex	4A7400
RGB	74, 116, 0
RGB Percent	29%, 45%, 0%
CMY	0.7098, 0.5451, 1.0000
CMYK	0.36, 0.00, 1.00, 0.55
HSL	82°, 100%, 23%
HSV	82°, 100%, 45%
XYZ	9.0698, 13.9466, 2.2126
YIQ	90.2180, 12.2040, -44.9800

Conversions

Conversions Part 2

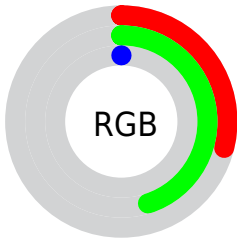
Format	Color
RYB	0, 116, 42
Decimal	4879360
CIELab	44.16, -30.81, 49.14
CIELCh	44, 58.000, 122.086
Yxy	13.9466, 0.3595, 0.5528
Android (android.graphics.Color)	4283069440 (0xFF4A7400)
YUV	90.2180, -44.4775, -14.2232
Hunter-Lab	37.3451, -22.0026, 22.6289

Details

The Yxy color **13.9466, 0.3595, 0.5528** is a dark color, and the websafe version is hex **336600**. A complement of this color would be **1.7530, 0.1825, 0.0779**, and the grayscale version is **10.3767, 0.3127, 0.3290**.

A 20% lighter version of the original color is **32.8651, 0.3572, 0.4969**, and **4.1630, 0.3215, 0.5830** is the 20% darker color. If you saturate the color by 10%, you get **13.9473, 0.3595, 0.5528**, and if you desaturate by 10%, it is **14.1452, 0.3617, 0.5403**.

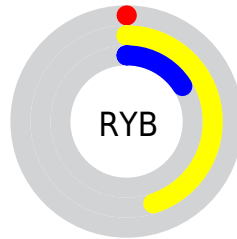
Distribution



Red (29%)

Green (45%)

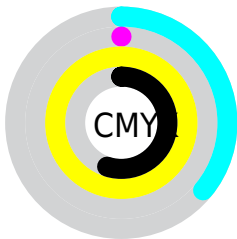
Blue (0%)



Red (0%)

Yellow (45%)

Blue (16%)

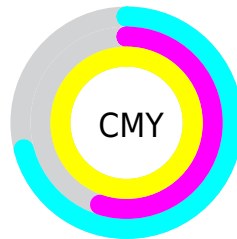


Cyan (36%)

Magenta (0%)

Yellow (100%)

Black (55%)



Cyan (71%)

Magenta (55%)

Yellow (100%)


Brightness & Saturation Gradients


These gradients show how the Yxy color 13.9466, 0.3595, 0.5528 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 13.9466, 0.3595, 0.5528 by changing the saturation by 10% instead.


 13.9466, 0.3595,
0.5528

 13.9466, 0.3595,
0.5528


 216.8984, 0.3421,
0.4166


 8.0835, 0.3559,
0.5940


 32.9942, 0.3574,
0.4976


 4.1484, 0.3455,
0.6545

 46.9476, 0.3549,
0.4784

 1.7569, 0.2956,
0.7044

 64.3665, 0.3524,
0.4630

 0.4601, 0.0000,
1.0000

 85.6354, 0.3500,
0.4503

 0.0000, 0.0000,
0.0000

 111.1387, 0.3477,
0.4398

 141.2606, 0.3457,

0.4308


 176.3857, 0.3438,
0.4232


 13.9466, 0.3595,
0.5528

 13.9466, 0.3595,
0.5528


 13.9473, 0.3595,
0.5528

 14.1452, 0.3617,
0.5403

 14.3659, 0.3626,
0.5252

 14.6186, 0.3612,
0.5058

 14.9058, 0.3577,
0.4829

 15.2297, 0.3524,
0.4576

■ 15.5924, 0.3457,
0.4310

■ 15.9956, 0.3380,
0.4041

■ 16.4411, 0.3297,
0.3778

■ 16.9305, 0.3212,
0.3526

Harmonies

Analogous

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



13.9466, 0.4589, 0.4948



13.9466, 0.3595, 0.5528



13.9466, 0.2545, 0.5184

Triad

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



13.9466, 0.3595, 0.5528



13.9466, 0.1284, 0.1882



13.9466, 0.4625, 0.2656

Complementary

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



13.9466, 0.3595, 0.5528



1.7530, 0.1825, 0.0779

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.



13.9466, 0.3387, 0.2075



13.9466, 0.3595, 0.5528



13.9466, 0.1597, 0.1640

Square

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



13.9466, 0.3595, 0.5528



13.9466, 0.1304, 0.2576



13.9466, 0.2288, 0.1719



13.9466, 0.5372, 0.3358

Rectangle

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



13.9466, 0.3595, 0.5528



13.9466, 0.1946, 0.4339



13.9466, 0.2288, 0.1719



13.9466, 0.4233, 0.2443

Sweetspot

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



13.9473, 0.3595, 0.5528



28.0605, 0.3386, 0.4062



5.2715, 0.5763, 0.3806



6.6362, 0.3412, 0.4151



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.



13.9473, 0.3595, 0.5528



24.4428, 0.3581, 0.5539



12.6139, 0.3060, 0.5953



4.2032, 0.3204, 0.3503



15.6411, 0.3592, 0.5530



75.7251, 0.3561, 0.5555

Inverse Universe

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



1.7530, 0.1825, 0.0779



3.0136, 0.1801, 0.0766



3.8912, 0.2848, 0.1342



3.6484, 0.3046, 0.3075



1.9574, 0.1819, 0.0776



9.0926, 0.1769, 0.0748

Previews

White Background



This preview shows how the Yxy color 13.9466, 0.3595, 0.5528 looks on a white background.

Color Contrast Check

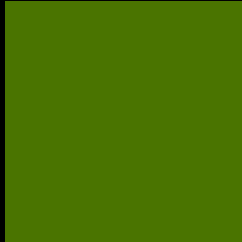
Large Text (above 18pt) WCAG AA ✓ Pass

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 13.9466, 0.3595, 0.5528 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 13.9466, 0.3595, 0.5528

Background



This preview shows how black text looks on a background with the Yxy color 13.9466, 0.3595, 0.5528.



This preview shows how white text looks on a background with the Yxy color 13.9466, 0.3595, 0.5528.

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

13.9466, 0.3595, 0.5528

Protanopia

13.7522, 0.4409, 0.4881

Deuteranopia

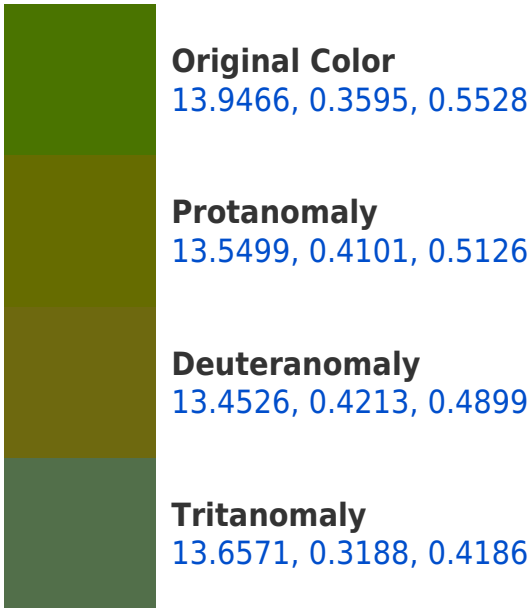
13.8108, 0.4578, 0.4524



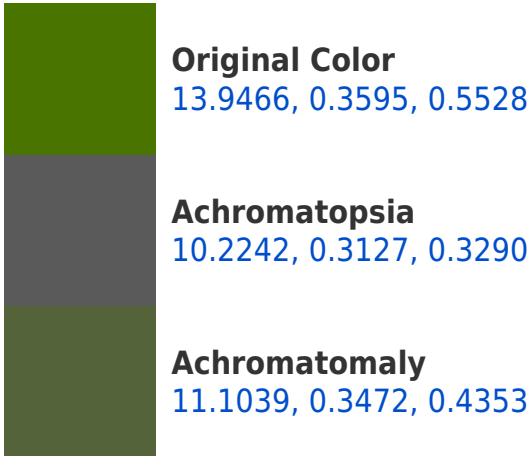
Tritanopia

13.9645, 0.2752, 0.3111

Trichromacy



Monochromacy



CSS Examples

Text

The CSS property to change the color of the text to Yxy 13.9466, 0.3595, 0.5528 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(74, 116, 0)` looks like.

```
.text, #text, p{  
    color:rgb(74, 116, 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(74, 116, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(74, 116, 0) }
```

Border

The CSS property to change the border of an element to Yxy 13.9466, 0.3595, 0.5528 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(74, 116, 0) }
```

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

```
.border{ border-color:rgb(74, 116, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(74, 116, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(74, 116, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(74, 116, 0);  
box-shadow:4px 4px 4px 4px rgb(74, 116, 0)  
}
```


Background

The CSS property to change the background color of an element to Yxy 13.9466, 0.3595, 0.5528 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(74, 116, 0) }
```

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

```
.background{ background-color: rgb(74, 116,  
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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