

Converting Colors

$Y_{xy}(12.4422, 0.3617, 0.5510)$

Have a look what the booklet for
Yxy(12.4422, 0.3617, 0.5510)
contains.

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Color

$Y_{xy}(12.4915, 0.3610, 0.5516)$

Conversions

Conversions Part 1

Format	Color
Hex	476E00
RGB	71, 110, 0
RGB Percent	28%, 43%, 0%
CMY	0.7215, 0.5686, 1.0000
CMYK	0.35, 0.00, 1.00, 0.57
HSL	81°, 100%, 22%
HSV	81°, 100%, 43%
XYZ	8.1752, 12.4915, 1.9793
YIQ	85.7990, 12.0660, -42.4780

Conversions

Conversions Part 2

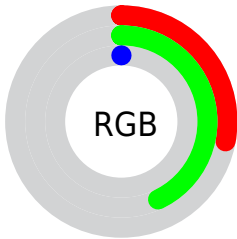
Format	Color
RYB	0, 110, 39
Decimal	4681216
CIELab	41.99, -29.23, 47.39
CIELCh	42, 55.681, 121.668
Yxy	12.4915, 0.3610, 0.5516
Android (android.graphics.Color)	4282871296 (0xFF476E00)
YUV	85.7990, -42.2989, -12.9787
Hunter-Lab	35.3433, -20.5624, 21.4200

Details

The Yxy color **12.4915, 0.3610, 0.5516** is a dark color, and the websafe version is hex **336600**. A complement of this color would be **1.5568, 0.1819, 0.0776**, and the grayscale version is **9.3517, 0.3127, 0.3290**.

A 20% lighter version of the original color is **30.4520, 0.3586, 0.4952**, and **3.5738, 0.3216, 0.5828** is the 20% darker color. If you saturate the color by 10%, you get **12.4921, 0.3610, 0.5516**, and if you desaturate by 10%, it is **12.6685, 0.3628, 0.5388**.

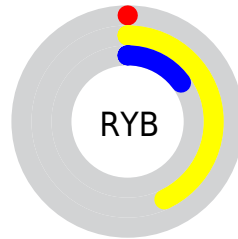
Distribution



Red (28%)

Green (43%)

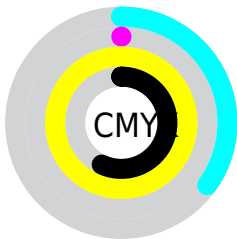
Blue (0%)



Red (0%)

Yellow (43%)

Blue (15%)

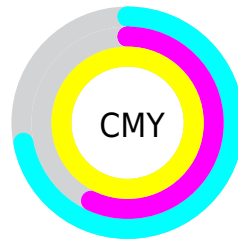


Cyan (35%)

Magenta (0%)

Yellow (100%)

Black (57%)



Cyan (72%)


Magenta (57%)


Yellow (100%)


Brightness & Saturation Gradients


These gradients show how the Yxy color 12.4915, 0.3610, 0.5516 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 12.4915, 0.3610, 0.5516 by changing the saturation by 10% instead.


 12.4915, 0.3610,
0.5516


 12.4915, 0.3610,
0.5516


 207.6325, 0.3421,
0.4143


 7.0793, 0.3585,
0.5958


 30.3872, 0.3583,
0.4953


 3.5118, 0.3451,
0.6549

 43.6395, 0.3556,
0.4759


 1.4044, 0.2806,
0.7194

 60.2739, 0.3529,
0.4604

 0.2200, 0.0000,
1.0000


 80.6749, 0.3503,
0.4477


 0.0000, 0.0000,
0.0000


 105.2269, 0.3479,
0.4372

 134.3142, 0.3458,


0.4284

 168.3213, 0.3439,
0.4208


 12.4915, 0.3610,
0.5516


 12.4915, 0.3610,
0.5516


 12.4921, 0.3610,
0.5516

 12.6685, 0.3628,
0.5388

 12.8641, 0.3635,
0.5237

 13.0876, 0.3619,
0.5043

 13.3413, 0.3583,
0.4816

 13.6270, 0.3528,
0.4565

■ 13.9465, 0.3460,
0.4302

■ 14.3014, 0.3382,
0.4036

■ 14.6932, 0.3299,
0.3775

■ 15.1232, 0.3213,
0.3525

Harmonies

Analogous

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



12.4915, 0.4599, 0.4934



12.4915, 0.3610, 0.5516



12.4915, 0.2562, 0.5188

Triad

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



12.4915, 0.3610, 0.5516



12.4915, 0.1287, 0.1893



12.4915, 0.4603, 0.2650

Complementary

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



12.4915, 0.3610, 0.5516



1.5568, 0.1819, 0.0776

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.



12.4915, 0.3369, 0.2072



12.4915, 0.3610, 0.5516



12.4915, 0.1595, 0.1646

Square

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



12.4915, 0.3610, 0.5516



12.4915, 0.1312, 0.2593



12.4915, 0.2279, 0.1721



12.4915, 0.5359, 0.3349

Rectangle

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



12.4915, 0.3610, 0.5516



12.4915, 0.1961, 0.4355



12.4915, 0.2279, 0.1721



12.4915, 0.4212, 0.2438

Sweetspot

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



12.4921, 0.3610, 0.5516



25.0638, 0.3389, 0.4057



4.7334, 0.5753, 0.3814



5.7859, 0.3414, 0.4140



57.0482, 0.3127, 0.3290



6.3724, 0.3127, 0.3290

Same Dimension

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



12.4921, 0.3610, 0.5516



21.8701, 0.3595, 0.5527



11.2666, 0.3062, 0.5950



3.8600, 0.3204, 0.3501



14.9903, 0.3605, 0.5520



74.1772, 0.3573, 0.5545

Inverse Universe

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



1.5568, 0.1819, 0.0776



2.6708, 0.1794, 0.0762



3.4791, 0.2850, 0.1344



3.3527, 0.3045, 0.3076



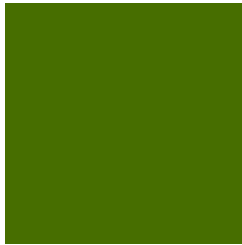
1.8548, 0.1810, 0.0771



8.7953, 0.1758, 0.0742

Previews

White Background



This preview shows how the Yxy color 12.4915, 0.3610, 0.5516 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 12.4915, 0.3610, 0.5516 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 12.4915, 0.3610, 0.5516

Background



This preview shows how black text looks on a background with the Yxy color 12.4915, 0.3610, 0.5516.



This preview shows how white text looks on a background with the Yxy color 12.4915, 0.3610, 0.5516.

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

12.4915, 0.3610, 0.5516

Protanopia

12.3684, 0.4403, 0.4886

Deuteranopia

12.4195, 0.4587, 0.4523



Tritanopia

12.4675, 0.2771, 0.3104

Trichromacy



Original Color

12.4915, 0.3610, 0.5516

Protanomaly

12.2419, 0.4097, 0.5129

Deuteranomaly

12.1467, 0.4220, 0.4903

Tritanomaly

12.2076, 0.3208, 0.4174

Monochromacy



Original Color

12.4915, 0.3610, 0.5516

Achromatopsia

9.3059, 0.3127, 0.3290

Achromatomaly

10.2096, 0.3473, 0.4337

CSS Examples

Text

The CSS property to change the color of the text to Yxy 12.4915, 0.3610, 0.5516 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(71, 110, 0)` looks like.

```
.text, #text, p{  
    color:rgb(71, 110, 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(71, 110, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(71, 110, 0) }
```

Border

The CSS property to change the border of an element to Yxy 12.4915, 0.3610, 0.5516 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(71, 110, 0) }
```

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

```
.border{ border-color:rgb(71, 110, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(71, 110, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(71, 110, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(71, 110, 0);  
box-shadow:4px 4px 4px 4px rgb(71, 110, 0)  
}
```


Background

The CSS property to change the background color of an element to Yxy 12.4915, 0.3610, 0.5516 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(71, 110, 0) }
```

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

```
.background{ background-color: rgb(71, 110,  
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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