

Converting Colors

$Y_{xy}(15.3425, 0.3499, 0.5604)$

Have a look what the booklet for
Yxy(15.3425, 0.3499, 0.5604)
contains.

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Color

Yxy(15.2587, 0.3506, 0.5598)

Conversions

Conversions Part 1

Format	Color
Hex	477A00
RGB	71, 122, 0
RGB Percent	28%, 48%, 0%
CMY	0.7217, 0.5215, 0.9999
CMYK	0.42, 0.00, 1.00, 0.52
HSL	85°, 100%, 24%
HSV	85°, 100%, 48%
XYZ	9.5564, 15.2587, 2.4423
YIQ	92.8430, 8.7660, -48.7540

Conversions

Conversions Part 2

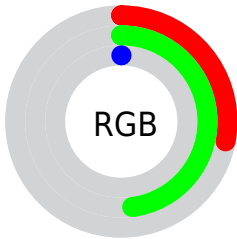
Format	Color
RYB	0, 122, 51
Decimal	4684288
CIELab	45.99, -34.68, 50.47
CIELCh	46, 61.238, 124.497
Yxy	15.2587, 0.3506, 0.5598
Android (android.graphics.Color)	4282874368 (0xFF477A00)
YUV	92.8430, -45.7716, -19.1563
Hunter-Lab	39.0624, -24.6899, 23.6367

Details

The Yxy color **15.2587, 0.3506, 0.5598** is a dark color, and the websafe version is hex **336600**. A complement of this color would be **2.1117, 0.1910, 0.0826**, and the grayscale version is **11.0146, 0.3127, 0.3290**.

A 20% lighter version of the original color is **35.3788, 0.3512, 0.5033**, and **4.8584, 0.3117, 0.5907** is the 20% darker color. If you saturate the color by 10%, you get **15.2588, 0.3506, 0.5598**, and if you desaturate by 10%, it is **15.4875, 0.3536, 0.5469**.

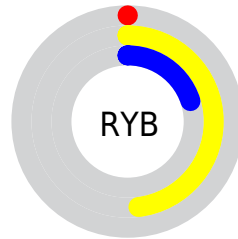
Distribution



Red (28%)

Green (48%)

Blue (0%)



Red (0%)

Yellow (48%)

Blue (20%)

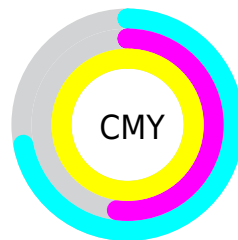


Cyan (42%)

Magenta (0%)

Yellow (100%)

Black (52%)



Cyan (72%)


Magenta (52%)

Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 15.2587, 0.3506, 0.5598 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 15.2587, 0.3506, 0.5598 by changing the saturation by 10% instead.


 15.2587, 0.3506,
0.5598


 15.2587, 0.3506,
0.5598


224.9268, 0.3392,
0.4201


 9.0011, 0.3449,
0.6010


 35.3064, 0.3509,
0.5034


 4.7419, 0.3342,
0.6658

 49.8653, 0.3494,
0.4837

 2.0967, 0.2849,
0.7151

 67.9601, 0.3475,
0.4679

 0.6627, 0.0000,
1.0000

 89.9753, 0.3456,
0.4548

 0.0000, 0.0000,
0.0000


 116.2951, 0.3438,
0.4439


 147.3040, 0.3422,


0.4347


 183.3865, 0.3406,
0.4269

 15.2587, 0.3506,
0.5598

 15.2587, 0.3506,
0.5598


 15.2588, 0.3506,
0.5598

 15.4875, 0.3536,
0.5469

 15.7459, 0.3554,
0.5309

 16.0441, 0.3549,
0.5105

 16.3853, 0.3523,
0.4866

 16.7719, 0.3480,
0.4603

■ 17.2066, 0.3422,
0.4328

■ 17.6913, 0.3354,
0.4052

■ 18.2283, 0.3280,
0.3783

■ 18.8193, 0.3204,
0.3528

Harmonies

Analogous

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



15.2587, 0.4533, 0.5035



15.2587, 0.3506, 0.5598



15.2587, 0.2445, 0.5156

Triad

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



15.2587, 0.3506, 0.5598



15.2587, 0.1266, 0.1819



15.2587, 0.4749, 0.2695

Complementary

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



15.2587, 0.3506, 0.5598



2.1117, 0.1910, 0.0826

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.



15.2587, 0.3495, 0.2092



15.2587, 0.3506, 0.5598



15.2587, 0.1610, 0.1606

Square

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



15.2587, 0.3506, 0.5598



15.2587, 0.1256, 0.2477



15.2587, 0.2345, 0.1711



15.2587, 0.5446, 0.3410

Rectangle

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



15.2587, 0.3506, 0.5598



15.2587, 0.1855, 0.4244



15.2587, 0.2345, 0.1711



15.2587, 0.4359, 0.2476

Sweetspot

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



15.2594, 0.3506, 0.5598



31.0532, 0.3359, 0.4072



6.4932, 0.5590, 0.3943



7.0329, 0.3383, 0.4165



62.0916, 0.3127, 0.3290



7.8288, 0.3127, 0.3290

Same Dimension

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



15.2594, 0.3506, 0.5598



26.7603, 0.3491, 0.5610



13.9868, 0.3029, 0.5977



4.5543, 0.3197, 0.3505



16.0580, 0.3504, 0.5600



76.0896, 0.3471, 0.5626

Inverse Universe

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



2.1117, 0.1910, 0.0826



3.6358, 0.1887, 0.0813



4.8405, 0.3008, 0.1431



3.9679, 0.3053, 0.3073



2.2170, 0.1908, 0.0825



10.0988, 0.1856, 0.0796

Previews

White Background



This preview shows how the Yxy color 15.2587, 0.3506, 0.5598 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 15.2587, 0.3506, 0.5598 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

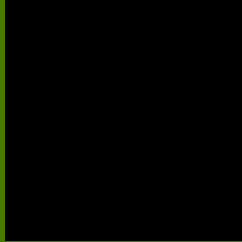
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 15.2587, 0.3506, 0.5598

Background



This preview shows how black text looks on a background with the Yxy color 15.2587, 0.3506, 0.5598.



This preview shows how white text looks on a background with the Yxy color 15.2587, 0.3506, 0.5598.

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

15.2587, 0.3506, 0.5598

Protanopia

15.1482, 0.4400, 0.4888

Deuteranopia

15.0848, 0.4592, 0.4519



Tritanopia

15.1467, 0.2689, 0.3094

Trichromacy



Original Color

15.2587, 0.3506, 0.5598

Protanomaly

14.9777, 0.4047, 0.5169

Deuteranomaly

14.6971, 0.4185, 0.4932

Tritanomaly

14.7463, 0.3109, 0.4195

Monochromacy



Original Color

15.2587, 0.3506, 0.5598

Achromatopsia

10.9462, 0.3127, 0.3290

Achromatomaly

12.1477, 0.3435, 0.4399

CSS Examples

Text

The CSS property to change the color of the text to Yxy 15.2587, 0.3506, 0.5598 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, 122, 0)` looks like.

```
.text, #text, p{  
    color:rgb(71, 122, 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, 122, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(71, 122, 0) }
```

Border

The CSS property to change the border of an element to Yxy 15.2587, 0.3506, 0.5598 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, 122, 0) }
```

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

```
.border{ border-color:rgb(71, 122, 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, 122, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(71, 122, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(71, 122, 0);  
box-shadow:4px 4px 4px 4px rgb(71, 122, 0)  
}
```


Background

The CSS property to change the background color of an element to Yxy 15.2587, 0.3506, 0.5598 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(71, 122, 0) }
```

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

```
.background{ background-color: rgb(71, 122,  
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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