

Converting Colors

$Y_{xy}(16.2557, 0.3717, 0.5430)$

Have a look what the booklet for
Yxy(16.2557, 0.3717, 0.5430)
contains.

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Color

Yxy(16.2406, 0.3715, 0.5432)

Conversions

Conversions Part 1

Format	Color
Hex	587B00
RGB	88, 123, 0
RGB Percent	35%, 48%, 0%
CMY	0.6549, 0.5176, 0.9998
CMYK	0.28, 0.00, 1.00, 0.52
HSL	77°, 100%, 24%
HSV	77°, 100%, 48%
XYZ	11.1071, 16.2406, 2.5503
YIQ	98.5130, 18.6230, -45.6730

Conversions

Conversions Part 2

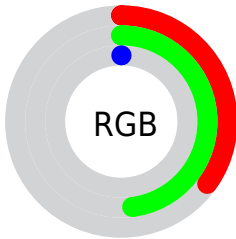
Format	Color
RYB	0, 123, 35
Decimal	5798656
CIELab	47.29, -28.35, 51.89
CIELCh	47, 59.131, 118.644
Yxy	16.2406, 0.3715, 0.5432
Android (android.graphics.Color)	4283988736 (0xFF587B00)
YUV	98.5130, -48.5669, -9.2199
Hunter-Lab	40.2996, -21.3274, 24.4577

Details

The Yxy color **16.2406, 0.3715, 0.5432** is a dark color, and the websafe version is hex **336600**. A complement of this color would be **1.7893, 0.1714, 0.0718**, and the grayscale version is **12.4705, 0.3127, 0.3290**.

A 20% lighter version of the original color is **37.1716, 0.3664, 0.4933**, and **5.2726, 0.3416, 0.5670** is the 20% darker color. If you saturate the color by 10%, you get **16.2407, 0.3715, 0.5432**, and if you desaturate by 10%, it is **16.4437, 0.3728, 0.5324**.

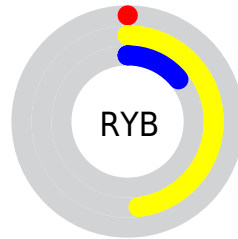
Distribution



Red (35%)

Green (48%)

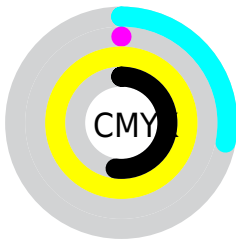
Blue (0%)



Red (0%)

Yellow (48%)

Blue (14%)

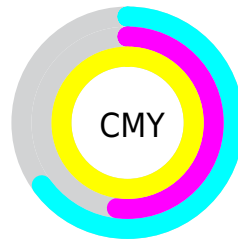


Cyan (28%)

Magenta (0%)

Yellow (100%)

Black (52%)



Cyan (65%)


Magenta (52%)


Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 16.2406, 0.3715, 0.5432 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 16.2406, 0.3715, 0.5432 by changing the saturation by 10% instead.


 16.2406, 0.3715,
0.5432


 16.2406, 0.3715,
0.5432


 230.7573, 0.3474,
0.4169


 9.6946, 0.3702,
0.5782


 37.0154, 0.3665,
0.4935


 5.1969, 0.3670,
0.6330

 52.0129, 0.3632,
0.4758


 2.3633, 0.3294,
0.6706

 70.5965, 0.3600,
0.4613

 0.8069, 0.0850,
0.9150


 93.1503, 0.3569,
0.4493


 0.0000, 0.0000,
0.0000


 120.0590, 0.3542,
0.4393


 151.7067, 0.3517,


0.4307


 188.4780, 0.3495,
0.4233


 16.2406, 0.3715,
0.5432


 16.2406, 0.3715,
0.5432


 16.2407, 0.3715,
0.5432

 16.4437, 0.3728,
0.5324

 16.6683, 0.3727,
0.5188

 16.9246, 0.3702,
0.5009

 17.2156, 0.3655,
0.4795

 17.5436, 0.3589,
0.4555

■ 17.9108, 0.3509,
0.4298

■ 18.3193, 0.3419,
0.4036

■ 18.7709, 0.3322,
0.3777

■ 19.2673, 0.3224,
0.3526

Harmonies

Analogous

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



16.2406, 0.4663, 0.4831



16.2406, 0.3715, 0.5432



16.2406, 0.2682, 0.5215

Triad

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



16.2406, 0.3715, 0.5432



16.2406, 0.1309, 0.1972



16.2406, 0.4454, 0.2602

Complementary

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



16.2406, 0.3715, 0.5432



1.7893, 0.1714, 0.0718

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.



16.2406, 0.3244, 0.2051



16.2406, 0.3715, 0.5432



16.2406, 0.1579, 0.1687

Square

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



16.2406, 0.3715, 0.5432



16.2406, 0.1371, 0.2716



16.2406, 0.2213, 0.1731



16.2406, 0.5264, 0.3285

Rectangle

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



16.2406, 0.3715, 0.5432



16.2406, 0.2072, 0.4464



16.2406, 0.2213, 0.1731



16.2406, 0.4063, 0.2398

Sweetspot

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



16.2413, 0.3715, 0.5432



32.7439, 0.3426, 0.4056



5.4064, 0.5941, 0.3664



7.6501, 0.3458, 0.4148



63.8283, 0.3127, 0.3290



8.3535, 0.3127, 0.3290

Same Dimension

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



16.2413, 0.3715, 0.5432



29.0062, 0.3703, 0.5441



14.3957, 0.3097, 0.5923



4.5793, 0.3215, 0.3504



16.7969, 0.3714, 0.5433



79.6756, 0.3689, 0.5453

Inverse Universe

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



1.7893, 0.1714, 0.0718



3.1357, 0.1692, 0.0706



3.9375, 0.2685, 0.1253



3.9437, 0.3034, 0.3072



1.8469, 0.1712, 0.0717



8.4300, 0.1668, 0.0692

Previews

White Background



This preview shows how the Yxy color 16.2406, 0.3715, 0.5432 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 16.2406, 0.3715, 0.5432 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

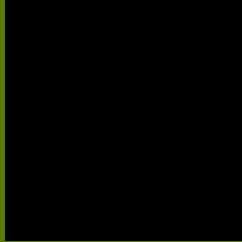
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 16.2406, 0.3715, 0.5432

Background



This preview shows how black text looks on a background with the Yxy color 16.2406, 0.3715, 0.5432.



This preview shows how white text looks on a background with the Yxy color 16.2406, 0.3715, 0.5432.

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

16.2406, 0.3715, 0.5432

Protanopia

16.0240, 0.4396, 0.4892

Deuteranopia

16.0327, 0.4606, 0.4533



Tritanopia

16.1740, 0.2850, 0.3104

Trichromacy



Original Color

16.2406, 0.3715, 0.5432

Protanomaly

15.9355, 0.4136, 0.5098

Deuteranomaly

15.7604, 0.4288, 0.4860

Tritanomaly

15.7594, 0.3313, 0.4157

Monochromacy



Original Color

16.2406, 0.3715, 0.5432

Achromatopsia

12.4772, 0.3127, 0.3290

Achromatomaly

13.5169, 0.3516, 0.4328

CSS Examples

Text

The CSS property to change the color of the text to Yxy 16.2406, 0.3715, 0.5432 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(88, 123, 0)` looks like.

```
.text, #text, p{  
    color:rgb(88, 123, 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(88, 123, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(88, 123, 0) }
```

Border

The CSS property to change the border of an element to Yxy 16.2406, 0.3715, 0.5432 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(88, 123, 0) }
```

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

```
.border{ border-color:rgb(88, 123, 0) }
```

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

Here you see how a box with a 4 pixel rgb(88, 123, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(88, 123, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(88, 123, 0);  
box-shadow:4px 4px 4px 4px rgb(88, 123, 0)  
}
```


Background

The CSS property to change the background color of an element to Yxy 16.2406, 0.3715, 0.5432 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(88, 123, 0) }
```

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

```
.background{ background-color: rgb(88, 123,  
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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