

Converting Colors

$Yxy(16.4846, 0.3817, 0.5266)$

Have a look what the booklet for
Yxy(16.4846, 0.3817, 0.5266)
contains.

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Color

Yxy(16.4846, 0.3817, 0.5266)

Conversions

Conversions Part 1

Format	Color
Hex	617A0B
RGB	97, 122, 11
RGB Percent	38%, 48%, 4%
CMY	0.6197, 0.5215, 0.9566
CMYK	0.21, 0.00, 0.91, 0.52
HSL	74°, 83%, 26%
HSV	74°, 91%, 48%
XYZ	11.9487, 16.4846, 2.8706
YIQ	101.8710, 20.7310, -39.8210

Conversions

Conversions Part 2

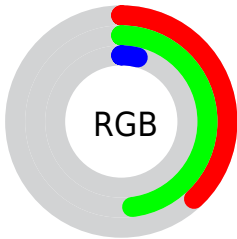
Format	Color
R_{YB}	11, 122, 36
Decimal	6388235
CIE _{Lab}	47.60, -23.68, 50.14
CIE _{LCh}	48, 55.448, 115.282
Yxy	16.4846, 0.3817, 0.5266
Android (android.graphics.Color)	4284578315 (0xFF617A0B)
YUV	101.8710, -44.7994, -4.2719
Hunter-Lab	40.6012, -18.5208, 24.2290

Details

The Yxy color **16.4846, 0.3817, 0.5266** is a dark color, and the websafe version is hex **666600**. A complement of this color would be **2.0229, 0.1748, 0.0810**, and the grayscale version is **13.3684, 0.3127, 0.3290**.

A 20% lighter version of the original color is **37.2811, 0.3736, 0.4807**, and **5.3459, 0.3617, 0.5510** is the 20% darker color. If you saturate the color by 10%, you get **16.3260, 0.3813, 0.5354**, and if you desaturate by 10%, it is **16.6778, 0.3808, 0.5145**.

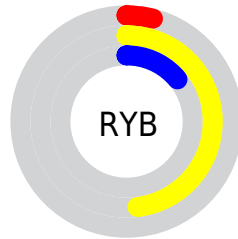
Distribution



Red (38%)

Green (48%)

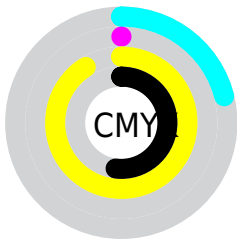
Blue (4%)



Red (4%)

Yellow (48%)

Blue (14%)

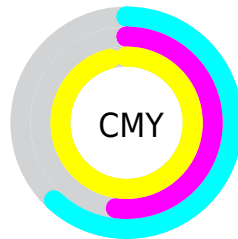


Cyan (21%)

Magenta (0%)

Yellow (91%)

Black (52%)



Cyan (62%)


Magenta (52%)


Yellow (96%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 16.4846, 0.3817, 0.5266 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 16.4846, 0.3817, 0.5266 by changing the saturation by 10% instead.


 16.4846, 0.3817,
0.5266


 16.4846, 0.3817,
0.5266


232.1845, 0.3503,
0.4111


 9.8677, 0.3836,
0.5582


 37.4375, 0.3732,
0.4814


 5.3113, 0.3882,
0.6118

 52.5422, 0.3688,
0.4652

 2.4311, 0.3575,
0.6425

 71.2451, 0.3648,
0.4520

 0.8418, 0.2087,
0.7913

 93.9304, 0.3612,
0.4410


 0.0000, 0.0000,
0.0000


 120.9827, 0.3580,
0.4317


 152.7861, 0.3552,

0.4238


 189.7253, 0.3526,
0.4171

 16.4846, 0.3817,
0.5266


 16.4846, 0.3817,
0.5266


 16.3260, 0.3813,
0.5354

 16.6778, 0.3808,
0.5145

 16.8980, 0.3776,
0.4982

 17.1490, 0.3721,
0.4783

 17.4330, 0.3646,
0.4555

 17.7522, 0.3557,
0.4308

■ 18.1086, 0.3457,
0.4053

■ 18.5038, 0.3351,
0.3798

■ 18.9395, 0.3244,
0.3549

■ 19.4174, 0.3137,
0.3311

Harmonies

Analogous

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



16.4846, 0.4685, 0.4691



16.4846, 0.3817, 0.5266



16.4846, 0.2834, 0.5144

Triad

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



16.4846, 0.3817, 0.5266



16.4846, 0.1387, 0.2107



16.4846, 0.4250, 0.2578

Complementary

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



16.4846, 0.3817, 0.5266



2.0229, 0.1748, 0.0810

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.



16.4846, 0.3119, 0.2069



16.4846, 0.3817, 0.5266



16.4846, 0.1612, 0.1783

Square

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



16.4846, 0.3817, 0.5266



16.4846, 0.1492, 0.2877



16.4846, 0.2181, 0.1790



16.4846, 0.5078, 0.3228

Rectangle

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



16.4846, 0.3817, 0.5266



16.4846, 0.2233, 0.4514



16.4846, 0.2181, 0.1790



16.4846, 0.3878, 0.2387

Sweetspot

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



16.4853, 0.3817, 0.5266



32.0751, 0.3423, 0.3969



5.3706, 0.5810, 0.3590



7.2932, 0.3450, 0.4037



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.



16.4853, 0.3817, 0.5266



28.6575, 0.3804, 0.5362



14.4478, 0.3182, 0.5749



4.5905, 0.3224, 0.3504



17.1831, 0.3812, 0.5355



81.5736, 0.3792, 0.5371

Inverse Universe

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



2.0229, 0.1748, 0.0810



2.8411, 0.1630, 0.0671



3.8488, 0.2593, 0.1262



3.9331, 0.3026, 0.3071



1.7289, 0.1646, 0.0680



7.9250, 0.1607, 0.0659

Previews

White Background



This preview shows how the Yxy color 16.4846, 0.3817, 0.5266 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 16.4846, 0.3817, 0.5266 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

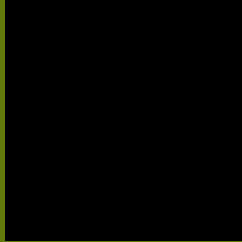
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 16.4846, 0.3817, 0.5266

Background



This preview shows how black text looks on a background with the Yxy color 16.4846, 0.3817, 0.5266.



This preview shows how white text looks on a background with the Yxy color 16.4846, 0.3817, 0.5266.

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

16.4846, 0.3817, 0.5266

Protanopia

16.3354, 0.4375, 0.4865

Deuteranopia

16.3321, 0.4598, 0.4530



Tritanopia

16.3412, 0.2945, 0.3108

Trichromacy



Original Color

16.4846, 0.3817, 0.5266

Protanomaly

16.2213, 0.4169, 0.5012

Deuteranomaly

16.0710, 0.4328, 0.4792

Tritanomaly

15.9835, 0.3365, 0.4025

Monochromacy



Original Color

16.4846, 0.3817, 0.5266

Achromatopsia

13.2868, 0.3127, 0.3290

Achromatomaly

14.0763, 0.3511, 0.4189

CSS Examples

Text

The CSS property to change the color of the text to Yxy 16.4846, 0.3817, 0.5266 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(97, 122, 11)` looks like.

```
.text, #text, p{  
    color:rgb(97, 122, 11)  
}
```

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(97, 122, 11) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(97, 122, 11) }
```

Border

The CSS property to change the border of an element to Yxy 16.4846, 0.3817, 0.5266 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(97, 122, 11) }
```

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

```
.border{ border-color:rgb(97, 122, 11) }
```

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

Here you see how a box with a 4 pixel rgb(97, 122, 11) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(97, 122, 11); -webkit-box-  
shadow:4px 4px 4px 4px rgb(97, 122, 11);  
box-shadow:4px 4px 4px 4px rgb(97, 122,  
11) }
```


Background

The CSS property to change the background color of an element to Yxy 16.4846, 0.3817, 0.5266 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(97, 122, 11) }
```

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

```
.background{ background-color: rgb(97, 122,  
11) }
```

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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