

Converting Colors

$Y_{xy}(16.7639, 0.3744, 0.5159)$

Have a look what the booklet for
Yxy(16.7639, 0.3744, 0.5159)
contains.

Yxy(16.7819, 0.3747, 0.5155)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(16.7819, 0.3747, 0.5155)

Conversions

Conversions Part 1

Format	Color
Hex	617B1A
RGB	97, 123, 26
RGB Percent	38%, 48%, 10%
CMY	0.6197, 0.5176, 0.8980
CMYK	0.21, 0.00, 0.79, 0.52
HSL	76°, 65%, 29%
HSV	76°, 79%, 48%
XYZ	12.1982, 16.7819, 3.5745
YIQ	104.1680, 15.6410, -35.6790

Conversions

Conversions Part 2

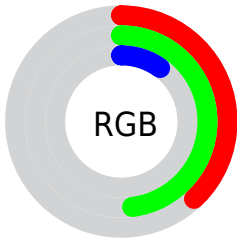
Format	Color
R_{YB}	26, 123, 52
Decimal	6388506
CIE _{Lab}	47.98, -23.59, 46.28
CIE _{LCh}	48, 51.942, 117.007
Yxy	16.7819, 0.3747, 0.5155
Android (android.graphics.Color)	4284578586 (0xFF617B1A)
YUV	104.1680, -38.5368, -6.2863
Hunter-Lab	40.9657, -18.5387, 23.5026

Details

The Yxy color **16.7819, 0.3747, 0.5155** is a dark color, and the websafe version is hex **336600**. A complement of this color would be **2.9010, 0.1966, 0.1063**, and the grayscale version is **13.9932, 0.3127, 0.3290**.

A 20% lighter version of the original color is **38.0848, 0.3659, 0.4727**, and **5.5019, 0.3623, 0.5505** is the 20% darker color. If you saturate the color by 10%, you get **16.5614, 0.3754, 0.5293**, and if you desaturate by 10%, it is **17.0350, 0.3717, 0.4975**.

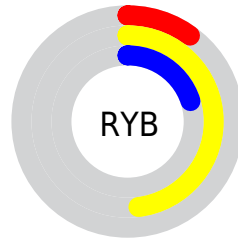
Distribution



Red (38%)

Green (48%)

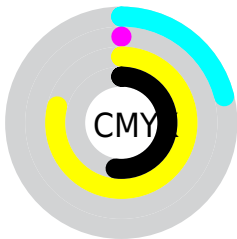
Blue (10%)



Red (10%)

Yellow (48%)

Blue (20%)

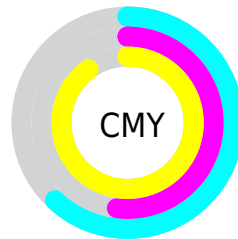


Cyan (21%)

Magenta (0%)

Yellow (79%)

Black (52%)



Cyan (62%)


Magenta (52%)

Yellow (90%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 16.7819, 0.3747, 0.5155 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 16.7819, 0.3747, 0.5155 by changing the saturation by 10% instead.


 16.7819, 0.3747,
0.5155

 16.7819, 0.3747,
0.5155

 233.9124, 0.3458,
0.4056


 10.0791, 0.3773,
0.5470


 37.9504, 0.3664,
0.4718


 5.4514, 0.3836,
0.6012

 53.1849, 0.3624,
0.4564


 2.5145, 0.3595,
0.6405

 72.0321, 0.3587,
0.4439

 0.8839, 0.2302,
0.7698

 94.8764, 0.3555,
0.4335


 0.0000, 0.0000,
0.0000


 122.1022, 0.3527,
0.4248


 154.0938, 0.3501,


0.4175


 191.2358, 0.3479,
0.4111


 16.7819, 0.3747,
0.5155


 16.7819, 0.3747,
0.5155


 16.5614, 0.3754,
0.5293

 17.0350, 0.3717,
0.4975


 16.3635, 0.3743,
0.5399

 17.3214, 0.3665,
0.4761

 16.3413, 0.3742,
0.5411

 17.6441, 0.3594,
0.4521

 18.0054, 0.3510,
0.4266

 18.4071, 0.3416,
0.4005

■ 18.8512, 0.3316,
0.3747

■ 19.3392, 0.3215,
0.3499

■ 19.8729, 0.3116,
0.3264

■ 20.4536, 0.3019,
0.3045

Harmonies

Analogous

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



16.7819, 0.4572, 0.4671



16.7819, 0.3747, 0.5155



16.7819, 0.2816, 0.4962

Triad

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



16.7819, 0.3747, 0.5155



16.7819, 0.1480, 0.2154



16.7819, 0.4234, 0.2656

Complementary

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



16.7819, 0.3747, 0.5155



2.9010, 0.1966, 0.1063

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.



16.7819, 0.3184, 0.2157



16.7819, 0.3747, 0.5155



16.7819, 0.1714, 0.1858

Square

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



16.7819, 0.3747, 0.5155



16.7819, 0.1567, 0.2861



16.7819, 0.2281, 0.1876



16.7819, 0.4975, 0.3286

Rectangle

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



16.7819, 0.3747, 0.5155



16.7819, 0.2254, 0.4356



16.7819, 0.2281, 0.1876



16.7819, 0.3892, 0.2470

Sweetspot

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



16.7827, 0.3747, 0.5155



33.2881, 0.3374, 0.3895



6.7316, 0.5297, 0.3723



7.7853, 0.3403, 0.3972



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.



16.7827, 0.3747, 0.5155



29.3572, 0.3742, 0.5376



14.8863, 0.3178, 0.5553



4.5824, 0.3218, 0.3504



16.9005, 0.3741, 0.5411



80.1834, 0.3717, 0.5430

Inverse Universe

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



2.9010, 0.1966, 0.1063



3.3877, 0.1725, 0.0754



4.9006, 0.2772, 0.1470



3.9408, 0.3032, 0.3072



1.8114, 0.1692, 0.0706



8.2761, 0.1649, 0.0682

Previews

White Background



This preview shows how the Yxy color 16.7819, 0.3747, 0.5155 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 16.7819, 0.3747, 0.5155 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

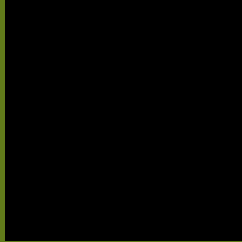
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 16.7819, 0.3747, 0.5155

Background



This preview shows how black text looks on a background with the Yxy color 16.7819, 0.3747, 0.5155.



This preview shows how white text looks on a background with the Yxy color 16.7819, 0.3747, 0.5155.

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

16.7819, 0.3747, 0.5155

Protanopia

16.6898, 0.4302, 0.4760

Deuteranopia

16.6746, 0.4536, 0.4458



Tritanopia

16.8425, 0.2923, 0.3110

Trichromacy



Original Color

16.7819, 0.3747, 0.5155

Protanomaly

16.5747, 0.4100, 0.4899

Deuteranomaly

16.3396, 0.4250, 0.4710

Tritanomaly

16.5450, 0.3288, 0.3932

Monochromacy



Original Color

16.7819, 0.3747, 0.5155

Achromatopsia

13.8432, 0.3127, 0.3290

Achromatomaly

14.6574, 0.3429, 0.4068

CSS Examples

Text

The CSS property to change the color of the text to Yxy 16.7819, 0.3747, 0.5155 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, 123, 26)` looks like.

```
.text, #text, p{  
    color:rgb(97, 123, 26)  
}
```

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, 123, 26) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(97, 123, 26) }
```

Border

The CSS property to change the border of an element to Yxy 16.7819, 0.3747, 0.5155 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, 123, 26) }
```

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

```
.border{ border-color:rgb(97, 123, 26) }
```

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

Here you see how a box with a 4 pixel `rgb(97, 123, 26)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(97, 123, 26); -webkit-box-  
shadow:4px 4px 4px 4px rgb(97, 123, 26);  
box-shadow:4px 4px 4px 4px rgb(97, 123,  
26) }
```


Background

The CSS property to change the background color of an element to Yxy 16.7819, 0.3747, 0.5155 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(97, 123, 26) }
```

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

```
.background{ background-color: rgb(97, 123,  
26) }
```

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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