

Converting Colors

$Y_{xy}(16.9524, 0.3756, 0.5240)$

Have a look what the booklet for
Yxy(16.9524, 0.3756, 0.5240)
contains.

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Color

Yxy(16.9491, 0.3756, 0.5240)

Conversions

Conversions Part 1

Format	Color
Hex	607C13
RGB	96, 124, 19
RGB Percent	38%, 49%, 7%
CMY	0.6235, 0.5137, 0.9255
CMYK	0.23, 0.00, 0.85, 0.51
HSL	76°, 73%, 28%
HSV	76°, 85%, 49%
XYZ	12.1490, 16.9491, 3.2475
YIQ	103.6580, 17.0170, -38.5910

Conversions

Conversions Part 2

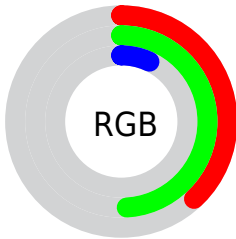
Format	Color
RYB	19, 124, 47
Decimal	6323219
CIELab	48.20, -24.84, 48.66
CIELCh	48, 54.632, 117.044
Yxy	16.9491, 0.3756, 0.5240
Android (android.graphics.Color)	4284513299 (0xFF607C13)
YUV	103.6580, -41.7364, -6.7161
Hunter-Lab	41.1693, -19.3711, 24.1416

Details

The Yxy color **16.9491, 0.3756, 0.5240** is a dark color, and the websafe version is hex **669933**. A complement of this color would be **2.5261, 0.1878, 0.0940**, and the grayscale version is **13.8580, 0.3127, 0.3290**.

A 20% lighter version of the original color is **38.4227, 0.3678, 0.4785**, and **5.6130, 0.3590, 0.5532** is the 20% darker color. If you saturate the color by 10%, you get **16.7416, 0.3750, 0.5354**, and if you desaturate by 10%, it is **17.1871, 0.3739, 0.5084**.

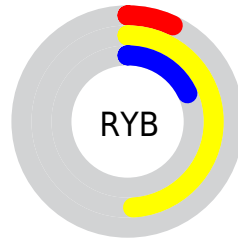
Distribution



Red (38%)

Green (49%)

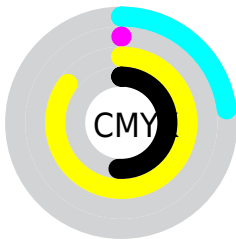
Blue (7%)



Red (7%)

Yellow (49%)

Blue (18%)

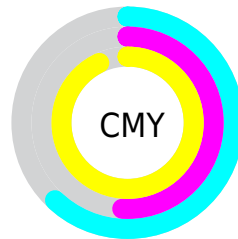


Cyan (23%)

Magenta (0%)

Yellow (85%)

Black (51%)



Cyan (62%)


Magenta (51%)

Yellow (93%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 16.9491, 0.3756, 0.5240 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 16.9491, 0.3756, 0.5240 by changing the saturation by 10% instead.


 16.9491, 0.3756,
0.5240


 16.9491, 0.3756,
0.5240


234.8789, 0.3473,
0.4096


 10.1982, 0.3772,
0.5561


 38.2382, 0.3679,
0.4789


 5.5306, 0.3846,
0.6154

 53.5453, 0.3640,
0.4628


 2.5618, 0.3533,
0.6467

 72.4732, 0.3604,
0.4498

 0.9075, 0.2200,
0.7800


 95.4063, 0.3572,
0.4389


 0.0000, 0.0000,
0.0000


 122.7290, 0.3542,
0.4298


 154.8257, 0.3516,


0.4220


 192.0809, 0.3493,
0.4154


 16.9491, 0.3756,
0.5240


 16.9491, 0.3756,
0.5240


 16.7416, 0.3750,
0.5354


 17.1871, 0.3739,
0.5084

 16.6366, 0.3744,
0.5409

 17.4573, 0.3699,
0.4890

 17.7630, 0.3639,
0.4663

 18.1067, 0.3562,
0.4416

 18.4904, 0.3472,
0.4157

■ 18.9160, 0.3375,
0.3897

■ 19.3854, 0.3275,
0.3642

■ 19.9003, 0.3174,
0.3399

■ 20.4622, 0.3075,
0.3170

Harmonies

Analogous

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



16.9491, 0.4618, 0.4713



16.9491, 0.3756, 0.5240



16.9491, 0.2791, 0.5055

Triad

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



16.9491, 0.3756, 0.5240



16.9491, 0.1421, 0.2103



16.9491, 0.4286, 0.2628

Complementary

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



16.9491, 0.3756, 0.5240



2.5261, 0.1878, 0.0940

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.



16.9491, 0.3184, 0.2115



16.9491, 0.3756, 0.5240



16.9491, 0.1662, 0.1803

Square

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



16.9491, 0.3756, 0.5240



16.9491, 0.1507, 0.2832



16.9491, 0.2245, 0.1825



16.9491, 0.5061, 0.3275

Rectangle

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



16.9491, 0.3756, 0.5240



16.9491, 0.2209, 0.4412



16.9491, 0.2245, 0.1825



16.9491, 0.3927, 0.2437

Sweetspot

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



16.9499, 0.3756, 0.5240



33.2136, 0.3385, 0.3921



6.3661, 0.5505, 0.3710



7.7697, 0.3413, 0.3996



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.



16.9499, 0.3756, 0.5240



29.2052, 0.3734, 0.5417



14.9878, 0.3160, 0.5677



4.5827, 0.3218, 0.3504



16.9105, 0.3744, 0.5409



80.2324, 0.3720, 0.5428

Inverse Universe

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



2.5261, 0.1878, 0.0940



3.0712, 0.1672, 0.0694



4.6026, 0.2736, 0.1388



3.9405, 0.3031, 0.3072



1.8082, 0.1691, 0.0705



8.2620, 0.1648, 0.0681

Previews

White Background



This preview shows how the Yxy color 16.9491, 0.3756, 0.5240 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 16.9491, 0.3756, 0.5240 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

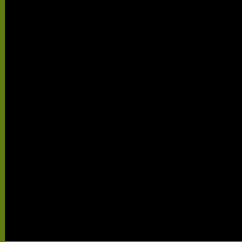
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 16.9491, 0.3756, 0.5240

Background



This preview shows how black text looks on a background with the Yxy color 16.9491, 0.3756, 0.5240.



This preview shows how white text looks on a background with the Yxy color 16.9491, 0.3756, 0.5240.

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

16.9491, 0.3756, 0.5240

Protanopia

16.7392, 0.4354, 0.4807

Deuteranopia

16.7431, 0.4578, 0.4486



Tritanopia

16.8679, 0.2912, 0.3090

Trichromacy



Original Color

16.9491, 0.3756, 0.5240

Protanomaly

16.7792, 0.4126, 0.4974

Deuteranomaly

16.6168, 0.4282, 0.4761

Tritanomaly

16.5123, 0.3311, 0.3976

Monochromacy



Original Color

16.9491, 0.3756, 0.5240

Achromatopsia

13.8432, 0.3127, 0.3290

Achromatomaly

14.6166, 0.3467, 0.4135

CSS Examples

Text

The CSS property to change the color of the text to Yxy 16.9491, 0.3756, 0.5240 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(96, 124, 19)` looks like.

```
.text, #text, p{  
    color:rgb(96, 124, 19)  
}
```

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(96, 124, 19) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(96, 124, 19) }
```

Border

The CSS property to change the border of an element to Yxy 16.9491, 0.3756, 0.5240 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(96, 124, 19) }
```

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

```
.border{ border-color:rgb(96, 124, 19) }
```

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

Here you see how a box with a 4 pixel rgb(96, 124, 19) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(96, 124, 19); -webkit-box-  
shadow:4px 4px 4px 4px rgb(96, 124, 19);  
box-shadow:4px 4px 4px 4px rgb(96, 124,  
19) }
```


Background

The CSS property to change the background color of an element to Yxy 16.9491, 0.3756, 0.5240 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(96, 124, 19) }
```

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

```
.background{ background-color: rgb(96, 124,  
19) }
```

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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