

Converting Colors

$Y_{xy}(16.8500, 0.3406, 0.5118)$

Have a look what the booklet for
Yxy(16.8500, 0.3406, 0.5118)
contains.

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Color

Yxy(16.7943, 0.3408, 0.5117)

Conversions

Conversions Part 1

| Format | Color |
|---------------|-----------------------------|
| Hex | 507E2A |
| RGB | 80, 126, 42 |
| RGB Percent | 31%, 49%, 16% |
| CMY | 0.6864, 0.5059, 0.8353 |
| CMYK | 0.37, 0.00, 0.67, 0.51 |
| HSL | 93°, 50%, 33% |
| HSV | 93°, 67%, 49% |
| XYZ | 11.1853, 16.7943, 4.8410 |
| YIQ | 102.6700, -0.4520, -35.8760 |

Conversions

Conversions Part 2

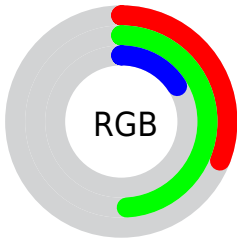
| Format | Color |
|-------------------------------------|---------------------------------|
| R _Y B | 42, 126, 88 |
| Decimal | 5275178 |
| CIE Lab | 48.00, -30.84, 39.49 |
| CIE LCh | 48, 50.106, 127.986 |
| Yxy | 16.7943, 0.3408, 0.5117 |
| Android (android.graphics.Color) | 4283465258 (0xFF507E2A) |
| YUV | 102.6700, -29.9103, -19.8816 |
| Hunter-Lab | 40.9808, -22.9969, 21.6827 |

Details

The Yxy color **16.7943, 0.3408, 0.5117** is a dark color, and the websafe version is hex **336600**. A complement of this color would be **5.2371, 0.2524, 0.1533**, and the grayscale version is **13.5509, 0.3127, 0.3290**.

A 20% lighter version of the original color is **37.9184, 0.3383, 0.4654**, and **5.4158, 0.3272, 0.5784** is the 20% darker color. If you saturate the color by 10%, you get **16.4335, 0.3403, 0.5356**, and if you desaturate by 10%, it is **17.2159, 0.3395, 0.4846**.

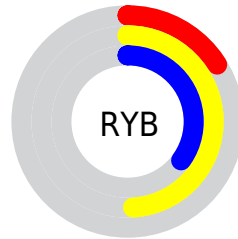
Distribution



Red (31%)

Green (49%)

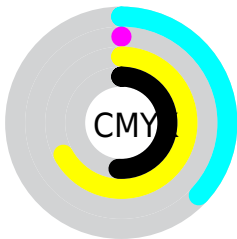
Blue (16%)



Red (16%)

Yellow (49%)

Blue (35%)

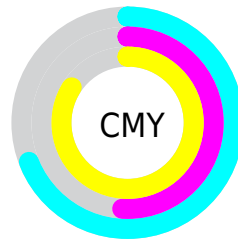


Cyan (37%)

Magenta (0%)

Yellow (67%)

Black (51%)



Cyan (69%)


Magenta (51%)

Yellow (84%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 16.7943, 0.3408, 0.5117 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 16.7943, 0.3408, 0.5117 by changing the saturation by 10% instead.


 16.7943, 0.3408,
0.5117


 16.7943, 0.3408,
0.5117


 233.9842, 0.3302,
0.4007


 10.0879, 0.3394,
0.5469


 37.9718, 0.3390,
0.4658


 5.4573, 0.3341,
0.5986

 53.2117, 0.3375,
0.4503

 2.5180, 0.3187,
0.6813

 72.0649, 0.3361,
0.4379

 0.8856, 0.0913,
0.9087

 94.9158, 0.3347,
0.4277

 0.0000, 0.0000,
0.0000

 122.1487, 0.3334,
0.4192

 154.1482, 0.3322,

0.4121

191.2986, 0.3312,
0.4060

■ 16.7943, 0.3408,
0.5117

■ 16.7943, 0.3408,
0.5117

■ 16.4335, 0.3403,
0.5356

■ 17.2159, 0.3395,
0.4846

■ 16.1275, 0.3379,
0.5549

■ 17.6992, 0.3366,
0.4557

■ 15.8707, 0.3339,
0.5695

■ 18.2482, 0.3325,
0.4263

■ 15.7926, 0.3326,
0.5741

■ 18.8655, 0.3276,
0.3976

■ 19.5538, 0.3222,
0.3703

■ 20.3155, 0.3165,
0.3448

■ 21.1528, 0.3108,
0.3215

■ 22.0681, 0.3052,
0.3003

■ 23.0635, 0.2999,
0.2813

Harmonies

Analogous

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



16.7943, 0.4270, 0.4850



16.7943, 0.3408, 0.5117



16.7943, 0.2520, 0.4611

Triad

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



16.7943, 0.3408, 0.5117



16.7943, 0.1572, 0.2044



16.7943, 0.4516, 0.2893

Complementary

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



16.7943, 0.3408, 0.5117



5.2371, 0.2524, 0.1533

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.



16.7943, 0.3558, 0.2347



16.7943, 0.3408, 0.5117



16.7943, 0.1918, 0.1872

Square

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



16.7943, 0.3408, 0.5117



16.7943, 0.1542, 0.2578



16.7943, 0.2596, 0.1987



16.7943, 0.5022, 0.3537

Rectangle

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



16.7943, 0.3408, 0.5117



16.7943, 0.2037, 0.3908



16.7943, 0.2596, 0.1987



16.7943, 0.4226, 0.2696

Sweetspot

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



16.7950, 0.3408, 0.5117



33.9409, 0.3243, 0.3804



11.3869, 0.4509, 0.4136



7.6571, 0.3255, 0.3867



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.



16.7950, 0.3408, 0.5117



28.6317, 0.3393, 0.5462



15.6033, 0.3013, 0.5290



4.9065, 0.3179, 0.3508



16.1973, 0.3325, 0.5742



0.0000, 0.0000, 0.0000

Inverse Universe

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



5.2371, 0.2524, 0.1533



6.6725, 0.2347, 0.1215



7.5263, 0.3245, 0.1876



4.3187, 0.3071, 0.3073



2.8420, 0.2149, 0.0957



0.0000, 0.0000, 0.0000

Previews

White Background



This preview shows how the Yxy color 16.7943, 0.3408, 0.5117 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 16.7943, 0.3408, 0.5117 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 16.7943, 0.3408, 0.5117

Background



This preview shows how black text looks on a background with the Yxy color 16.7943, 0.3408, 0.5117.



This preview shows how white text looks on a background with the Yxy color 16.7943, 0.3408, 0.5117.

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

16.7943, 0.3408, 0.5117

Protanopia

16.6931, 0.4184, 0.4615

Deuteranopia

16.6012, 0.4374, 0.4302



Tritanopia

16.7645, 0.2725, 0.3103

Trichromacy



Original Color

16.7943, 0.3408, 0.5117

Protanomaly

16.4251, 0.3887, 0.4803

Deuteranomaly

16.3807, 0.3997, 0.4600

Tritanomaly

16.5940, 0.3006, 0.3845

Monochromacy



Original Color

16.7943, 0.3408, 0.5117

Achromatopsia

13.5633, 0.3127, 0.3290

Achromatomaly

14.3959, 0.3282, 0.3974

CSS Examples

Text

The CSS property to change the color of the text to Yxy 16.7943, 0.3408, 0.5117 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(80, 126, 42)` looks like.

```
.text, #text, p{  
    color:rgb(80, 126, 42)  
}
```

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(80, 126, 42) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(80, 126, 42) }
```

Border

The CSS property to change the border of an element to Yxy 16.7943, 0.3408, 0.5117 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(80, 126, 42) }
```

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

```
.border{ border-color:rgb(80, 126, 42) }
```

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

Here you see how a box with a 4 pixel rgb(80, 126, 42) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(80, 126, 42); -webkit-box-  
shadow:4px 4px 4px 4px rgb(80, 126, 42);  
box-shadow:4px 4px 4px 4px rgb(80, 126,  
42) }
```


Background

The CSS property to change the background color of an element to Yxy 16.7943, 0.3408, 0.5117 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(80, 126, 42) }
```

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

```
.background{ background-color: rgb(80, 126,  
42) }
```

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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