

Converting Colors

$Y_{xy}(16.6582, 0.3457, 0.4784)$

Have a look what the booklet for
Yxy(16.6582, 0.3457, 0.4784)
contains.

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Color

Yxy(16.6564, 0.3468, 0.4788)

Conversions

Conversions Part 1

Format	Color
Hex	5B7B36
RGB	91, 123, 54
RGB Percent	36%, 48%, 21%
CMY	0.6431, 0.5177, 0.7883
CMYK	0.26, 0.00, 0.56, 0.52
HSL	88°, 39%, 35%
HSV	88°, 56%, 48%
XYZ	12.0644, 16.6564, 6.0670
YIQ	105.5660, 3.0770, -28.2430

Conversions

Conversions Part 2

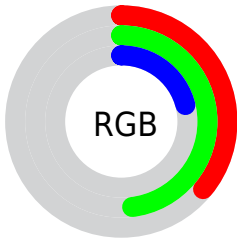
Format	Color
RYB	54, 123, 86
Decimal	5995318
CIELab	47.82, -23.82, 33.65
CIElCh	48, 41.231, 125.296
Yxy	16.6564, 0.3468, 0.4788
Android (android.graphics.Color)	4284185398 (0xFF5B7B36)
YUV	105.5660, -25.4220, -12.7744
Hunter-Lab	40.8123, -18.6555, 19.7548

Details

The Yxy color **16.6564, 0.3468, 0.4788** is a dark color, and the websafe version is hex **336633**. A complement of this color would be **6.0435, 0.2551, 0.1766**, and the grayscale version is **14.3593, 0.3127, 0.3290**.

A 20% lighter version of the original color is **37.8696, 0.3416, 0.4415**, and **5.4008, 0.3488, 0.5490** is the 20% darker color. If you saturate the color by 10%, you get **16.2770, 0.3494, 0.5046**, and if you desaturate by 10%, it is **17.0885, 0.3426, 0.4512**.

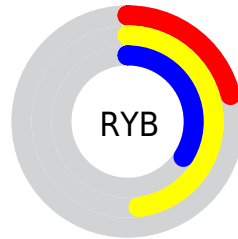
Distribution



Red (36%)

Green (48%)

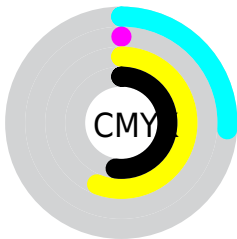
Blue (21%)



Red (21%)

Yellow (48%)

Blue (34%)

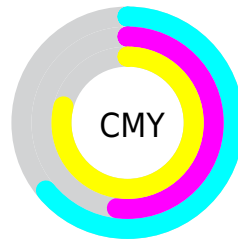


Cyan (26%)

Magenta (0%)

Yellow (56%)

Black (52%)



Cyan (64%)


Magenta (52%)


Yellow (79%)


Brightness & Saturation Gradients


These gradients show how the Yxy color 16.6564, 0.3468, 0.4788 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 16.6564, 0.3468, 0.4788 by changing the saturation by 10% instead.


 16.6564, 0.3468,
0.4788


 16.6564, 0.3468,
0.4788


 233.1845, 0.3306,
0.3881


 9.9898, 0.3488,
0.5080


 37.7341, 0.3418,
0.4413

 5.3922, 0.3485,
0.5494

 52.9139, 0.3396,
0.4286

 2.4792, 0.3575,
0.6425

 71.7003, 0.3376,
0.4185

 0.8662, 0.2182,
0.7818

 94.4777, 0.3358,
0.4102

 0.0000, 0.0000,
0.0000

 121.6304, 0.3342,
0.4033

 153.5428, 0.3329,

0.3975

190.5994, 0.3316,
0.3925

■ 16.6564, 0.3468,
0.4788

■ 16.6564, 0.3468,
0.4788

■ 16.2770, 0.3494,
0.5046

■ 17.0885, 0.3426,
0.4512

■ 15.9454, 0.3501,
0.5273

■ 17.5735, 0.3371,
0.4229

■ 15.6593, 0.3486,
0.5458

■ 18.1146, 0.3308,
0.3951

■ 15.4132, 0.3454,
0.5598

■ 18.7139, 0.3240,
0.3684

■ 15.3242, 0.3440,
0.5650

■ 19.3733, 0.3170,
0.3434

■ 20.0948, 0.3100,
0.3202

■ 20.8802, 0.3033,
0.2991

■ 21.7311, 0.2968,
0.2800

■ 22.6494, 0.2907,
0.2627

Harmonies

Analogous

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



16.6564, 0.4182, 0.4587



16.6564, 0.3468, 0.4788



16.6564, 0.2704, 0.4413

Triad

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



16.6564, 0.3468, 0.4788



16.6564, 0.1777, 0.2270



16.6564, 0.4215, 0.2922

Complementary

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



16.6564, 0.3468, 0.4788



6.0435, 0.2551, 0.1766

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.



16.6564, 0.3418, 0.2452



16.6564, 0.3468, 0.4788



16.6564, 0.2060, 0.2079

Square

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



16.6564, 0.3468, 0.4788



16.6564, 0.1784, 0.2776



16.6564, 0.2626, 0.2153



16.6564, 0.4686, 0.3488

Rectangle

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



16.6564, 0.3468, 0.4788



16.6564, 0.2271, 0.3881



16.6564, 0.2626, 0.2153



16.6564, 0.3970, 0.2751

Sweetspot

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



16.6571, 0.3468, 0.4788



33.3659, 0.3249, 0.3718



10.9805, 0.4311, 0.3917



7.8167, 0.3260, 0.3760



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.



16.6571, 0.3468, 0.4788



28.9898, 0.3498, 0.5107



15.3146, 0.3080, 0.4985



4.5460, 0.3191, 0.3506



15.8498, 0.3439, 0.5651



75.0944, 0.3405, 0.5679

Inverse Universe

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



6.0435, 0.2551, 0.1766



7.9853, 0.2383, 0.1435



8.0278, 0.3126, 0.1995



3.9761, 0.3059, 0.3074



2.3758, 0.1987, 0.0868



10.8368, 0.1935, 0.0840

Previews

White Background



This preview shows how the Yxy color 16.6564, 0.3468, 0.4788 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 16.6564, 0.3468, 0.4788 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

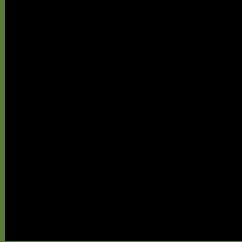
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 16.6564, 0.3468, 0.4788

Background



This preview shows how black text looks on a background with the Yxy color 16.6564, 0.3468, 0.4788.



This preview shows how white text looks on a background with the Yxy color 16.6564, 0.3468, 0.4788.

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

16.6564, 0.3468, 0.4788

Protanopia

16.4849, 0.4071, 0.4442

Deuteranopia

16.5196, 0.4236, 0.4172



Tritanopia

16.7382, 0.2842, 0.3107

Trichromacy



Original Color

16.6564, 0.3468, 0.4788

Protanomaly

16.4812, 0.3833, 0.4581

Deuteranomaly

16.2432, 0.3949, 0.4373

Tritanomaly

16.6359, 0.3082, 0.3721

Monochromacy



Original Color

16.6564, 0.3468, 0.4788

Achromatopsia

14.4128, 0.3127, 0.3290

Achromatomaly

15.0432, 0.3289, 0.3841

CSS Examples

Text

The CSS property to change the color of the text to Yxy 16.6564, 0.3468, 0.4788 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(91, 123, 54)` looks like.

```
.text, #text, p{  
    color:rgb(91, 123, 54)  
}
```

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(91, 123, 54) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(91, 123, 54) }
```

Border

The CSS property to change the border of an element to Yxy 16.6564, 0.3468, 0.4788 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(91, 123, 54) }
```

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

```
.border{ border-color:rgb(91, 123, 54) }
```

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

Here you see how a box with a 4 pixel rgb(91, 123, 54) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(91, 123, 54); -webkit-box-  
shadow:4px 4px 4px 4px rgb(91, 123, 54);  
box-shadow:4px 4px 4px 4px rgb(91, 123,  
54) }
```


Background

The CSS property to change the background color of an element to Yxy 16.6564, 0.3468, 0.4788 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(91, 123, 54) }
```

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

```
.background{ background-color: rgb(91, 123,  
54) }
```

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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