

Converting Colors

$Y_{xy}(16.7840, 0.3094, 0.4145)$

Have a look what the booklet for
Yxy(16.7840, 0.3094, 0.4145)
contains.

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Color

$\text{Yxy}(16.8002, 0.3099, 0.4145)$

Conversions

Conversions Part 1

Format	Color
Hex	567B55
RGB	86, 123, 85
RGB Percent	34%, 48%, 33%
CMY	0.6627, 0.5176, 0.6667
CMYK	0.30, 0.00, 0.31, 0.52
HSL	118°, 18%, 41%
HSV	118°, 31%, 48%
XYZ	12.5606, 16.8002, 11.1704
YIQ	107.6050, -9.8540, -19.6620

Conversions

Conversions Part 2

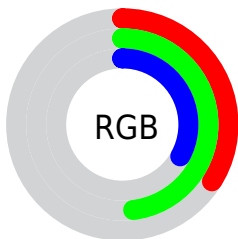
Format	Color
R_{YB}	85, 123, 122
Decimal	5667669
CIE _{Lab}	48.01, -21.21, 16.73
CIE _{LCh}	48, 27.017, 141.738
Yxy	16.8002, 0.3099, 0.4145
Android (android.graphics.Color)	4283857749 (0xFF567B55)
YUV	107.6050, -11.1443, -18.9476
Hunter-Lab	40.9880, -17.0284, 12.5334

Details

The Yxy color **16.8002, 0.3099, 0.4145** is a dark color, and the websafe version is hex **669966**. A complement of this color would be **12.0588, 0.3146, 0.2556**, and the grayscale version is **14.9144, 0.3127, 0.3290**.

A 20% lighter version of the original color is **38.1183, 0.3114, 0.3929**, and **5.4754, 0.3066, 0.4597** is the 20% darker color. If you saturate the color by 10%, you get **16.1008, 0.3086, 0.4476**, and if you desaturate by 10%, it is **17.6301, 0.3110, 0.3837**.

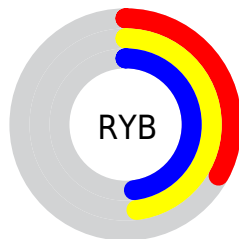
Distribution



Red (34%)

Green (48%)

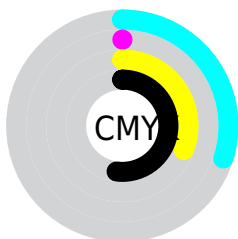
Blue (33%)



Red (33%)

Yellow (48%)

Blue (48%)

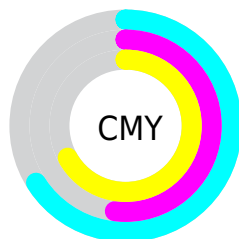


Cyan (30%)

Magenta (0%)

Yellow (31%)

Black (52%)



Cyan (66%)


Magenta (52%)

Yellow (67%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 16.8002, 0.3099, 0.4145 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 16.8002, 0.3099, 0.4145 by changing the saturation by 10% instead.


 16.8002, 0.3099,
0.4145


 16.8002, 0.3099,
0.4145


234.0183, 0.3126,
0.3626


 10.0921, 0.3083,
0.4320


 37.9819, 0.3114,
0.3927


 5.4601, 0.3052,
0.4584

 53.2244, 0.3118,
0.3855


 2.5197, 0.2985,
0.5020

 72.0804, 0.3121,
0.3797

 0.8865, 0.2681,
0.7319

 94.9345, 0.3123,
0.3750

 0.0000, 0.0000,
0.0000

 122.1709, 0.3124,
0.3711

154.1741, 0.3125,

0.3678

191.3284, 0.3126,
0.3650

■ 16.8002, 0.3099,
0.4145

■ 16.8002, 0.3099,
0.4145

■ 16.1008, 0.3086,
0.4476

■ 17.6301, 0.3110,
0.3837

■ 15.5234, 0.3072,
0.4817

■ 18.5943, 0.3119,
0.3558

■ 15.0614, 0.3057,
0.5151


■ 19.6994, 0.3127,
0.3311


■ 14.7073, 0.3042,
0.5454

■ 20.9505, 0.3133,
0.3094

■ 14.4522, 0.3027,
0.5702


■ 22.3529, 0.3138,
0.2906


 14.2860, 0.3015,
0.5877

 23.9111, 0.3142,
0.2743

 14.1879, 0.3009,
0.5993

 25.6300, 0.3145,
0.2603

 27.5139, 0.3147,
0.2481

 29.5669, 0.3149,
0.2376

Harmonies

Analogous

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



16.8002, 0.3616, 0.4250



16.8002, 0.3099, 0.4145



16.8002, 0.2614, 0.3734

Triad

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



16.8002, 0.3099, 0.4145



16.8002, 0.2278, 0.2501



16.8002, 0.4043, 0.3276

Complementary

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



16.8002, 0.3099, 0.4145



12.0588, 0.3146, 0.2556

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.



16.8002, 0.3623, 0.2888



16.8002, 0.3099, 0.4145



16.8002, 0.2598, 0.2456

Square

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



16.8002, 0.3099, 0.4145



16.8002, 0.2169, 0.2753



16.8002, 0.3083, 0.2597



16.8002, 0.4188, 0.3693

Rectangle

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



16.8002, 0.3099, 0.4145



16.8002, 0.2371, 0.3376



16.8002, 0.3083, 0.2597



16.8002, 0.3927, 0.3140

Sweetspot

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



16.8009, 0.3099, 0.4145



33.6136, 0.3120, 0.3514



18.7204, 0.3578, 0.4002



7.8618, 0.3119, 0.3546



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.



16.8009, 0.3099, 0.4145



29.1847, 0.3090, 0.4375



17.0703, 0.2903, 0.3736



4.4547, 0.3121, 0.3510



14.6765, 0.3009, 0.5993



69.9482, 0.3004, 0.5997

Inverse Universe

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



12.0588, 0.3146, 0.2556



19.2831, 0.3149, 0.2392



11.7299, 0.3437, 0.2884



4.0722, 0.3133, 0.3079



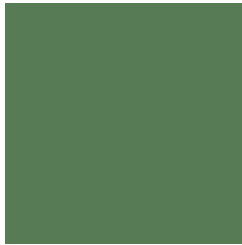
5.5839, 0.3144, 0.1505



26.5726, 0.3140, 0.1503

Previews

White Background



This preview shows how the Yxy color 16.8002, 0.3099, 0.4145 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 16.8002, 0.3099, 0.4145 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

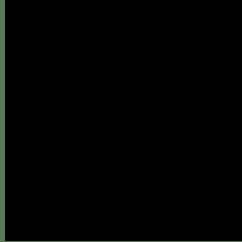
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 16.8002, 0.3099, 0.4145

Background



This preview shows how black text looks on a background with the Yxy color 16.8002, 0.3099, 0.4145.



This preview shows how white text looks on a background with the Yxy color 16.8002, 0.3099, 0.4145.

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

16.8002, 0.3099, 0.4145

Protanopia

16.5419, 0.3660, 0.3927

Deuteranopia

16.6284, 0.3749, 0.3688



Tritanopia

16.8689, 0.2747, 0.3104

Trichromacy



Original Color

16.8002, 0.3099, 0.4145

Protanomaly

16.5830, 0.3444, 0.4024

Deuteranomaly

16.4358, 0.3492, 0.3842

Tritanomaly

16.8269, 0.2870, 0.3461

Monochromacy



Original Color

16.8002, 0.3099, 0.4145

Achromatopsia

14.9960, 0.3127, 0.3290

Achromatomaly

15.4397, 0.3114, 0.3572

CSS Examples

Text

The CSS property to change the color of the text to Yxy 16.8002, 0.3099, 0.4145 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(86, 123, 85)` looks like.

```
.text, #text, p{  
    color:rgb(86, 123, 85)  
}
```

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(86, 123, 85) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(86, 123, 85) }
```

Border

The CSS property to change the border of an element to Yxy 16.8002, 0.3099, 0.4145 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(86, 123, 85) }
```

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

```
.border{ border-color:rgb(86, 123, 85) }
```

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

Here you see how a box with a 4 pixel `rgb(86, 123, 85)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(86, 123, 85); -webkit-box-  
shadow:4px 4px 4px 4px rgb(86, 123, 85);  
box-shadow:4px 4px 4px 4px rgb(86, 123,  
85) }
```


Background

The CSS property to change the background color of an element to Yxy 16.8002, 0.3099, 0.4145 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(86, 123, 85) }
```

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

```
.background{ background-color: rgb(86, 123,  
85) }
```

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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