

Converting Colors

$Y_{xy}(16.8371, 0.2931, 0.3754)$

Have a look what the booklet for
Yxy(16.8371, 0.2931, 0.3754)
contains.

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Color

$Y_{xy}(16.8371, 0.2931, 0.3754)$

Conversions

Conversions Part 1

Format	Color
Hex	567A65
RGB	86, 122, 101
RGB Percent	34%, 48%, 40%
CMY	0.6628, 0.5216, 0.6039
CMYK	0.30, 0.00, 0.17, 0.52
HSL	145°, 17%, 41%
HSV	145°, 30%, 48%
XYZ	13.1459, 16.8371, 14.8681
YIQ	108.8420, -14.7150, -14.1630

Conversions

Conversions Part 2

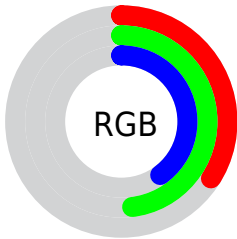
Format	Color
R_{YB}	86, 111, 122
Decimal	5667429
CIE _{Lab}	48.05, -17.52, 7.45
CIE _{LCh}	48, 19.038, 156.969
Y _{xy}	16.8371, 0.2931, 0.3754
Android (android.graphics.Color)	4283857509 (0xFF567A65)
YUV	108.8420, -3.8661, -20.0324
Hunter-Lab	41.0330, -14.6213, 7.2397

Details

The Yxy color **16.8371, 0.2931, 0.3754** is a dark color, and the websafe version is hex **336666**. A complement of this color would be **11.8545, 0.3390, 0.2869**, and the grayscale version is **15.2601, 0.3127, 0.3290**.

A 20% lighter version of the original color is **38.2453, 0.2982, 0.3643**, and **5.4628, 0.2838, 0.3991** is the 20% darker color. If you saturate the color by 10%, you get **16.1738, 0.2873, 0.3943**, and if you desaturate by 10%, it is **17.6128, 0.2995, 0.3581**.

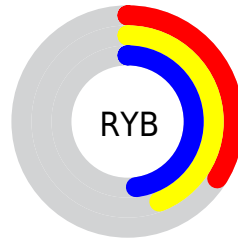
Distribution



Red (34%)

Green (48%)

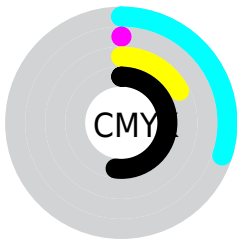
Blue (40%)



Red (34%)

Yellow (44%)

Blue (48%)

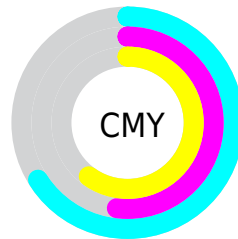


Cyan (30%)

Magenta (0%)

Yellow (17%)

Black (52%)



Cyan (66%)

Magenta (52%)

Yellow (60%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 16.8371, 0.2931, 0.3754 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 16.8371, 0.2931, 0.3754 by changing the saturation by 10% instead.

■ 16.8371, 0.2931,
0.3754

■ 16.8371, 0.2931,
0.3754

■ 234.2319, 0.3049,
0.3476

■ 10.1184, 0.2892,
0.3846

■ 38.0455, 0.2980,
0.3638

■ 5.4775, 0.2833,
0.3984

■ 53.3040, 0.2997,
0.3600

■ 2.5301, 0.2734,
0.4212

■ 72.1778, 0.3010,
0.3569

■ 0.8917, 0.2383,
0.5062

■ 95.0515, 0.3020,
0.3543

■ 0.0000, 0.0000,
0.0000

■ 122.3093, 0.3029,
0.3522

154.3358, 0.3037,

0.3504

191.5151, 0.3043,
0.3489

■ 16.8371, 0.2931,
0.3754

■ 16.8371, 0.2931,
0.3754

■ 16.1738, 0.2873,
0.3943

■ 17.6128, 0.2995,
0.3581

■ 15.6153, 0.2823,
0.4146

■ 18.5037, 0.3062,
0.3424

■ 15.1568, 0.2784,
0.4359

■ 19.5152, 0.3130,
0.3284

■ 14.7917, 0.2759,
0.4577

■ 20.6516, 0.3199,
0.3159

■ 14.5130, 0.2751,
0.4795

■ 21.9172, 0.3265,
0.3048

■ 14.3125, 0.2761,
0.5005

■ 23.3158, 0.3330,
0.2951

■ 14.1644, 0.2781,
0.5204

■ 24.8514, 0.3392,
0.2866

■ 14.1575, 0.2781,
0.5213

■ 26.5275, 0.3451,
0.2791

■ 28.3476, 0.3507,
0.2726

Harmonies

Analogous

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



16.8371, 0.3302, 0.3945



16.8371, 0.2931, 0.3754



16.8371, 0.2625, 0.3417

Triad

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



16.8371, 0.2931, 0.3754



16.8371, 0.2617, 0.2686



16.8371, 0.3849, 0.3448

Complementary

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



16.8371, 0.2931, 0.3754



11.8545, 0.3390, 0.2869

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.



16.8371, 0.3644, 0.3143



16.8371, 0.2931, 0.3754



16.8371, 0.2920, 0.2719

Square

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



16.8371, 0.2931, 0.3754



16.8371, 0.2453, 0.2802



16.8371, 0.3297, 0.2884



16.8371, 0.3844, 0.3734

Rectangle

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



16.8371, 0.2931, 0.3754



16.8371, 0.2494, 0.3174



16.8371, 0.3297, 0.2884



16.8371, 0.3802, 0.3345

Sweetspot

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



16.8378, 0.2931, 0.3754



32.6011, 0.3064, 0.3420



17.7550, 0.3359, 0.4037



7.4086, 0.3056, 0.3437



62.0916, 0.3127, 0.3290



7.8288, 0.3127, 0.3290

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



16.8378, 0.2931, 0.3754



28.8592, 0.2893, 0.3872



17.2159, 0.2755, 0.3366



4.4751, 0.3065, 0.3417



14.9030, 0.2783, 0.5217



70.9273, 0.2808, 0.5310

Inverse Universe

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



11.8545, 0.3390, 0.2869



18.6836, 0.3464, 0.2775



11.5243, 0.3680, 0.3217



4.0506, 0.3194, 0.3166



4.8358, 0.4553, 0.2282



22.8948, 0.4642, 0.2331

Previews

White Background



This preview shows how the Yxy color 16.8371, 0.2931, 0.3754 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 16.8371, 0.2931, 0.3754 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

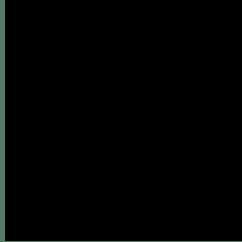
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 16.8371, 0.2931, 0.3754

Background



This preview shows how black text looks on a background with the Yxy color 16.8371, 0.2931, 0.3754.

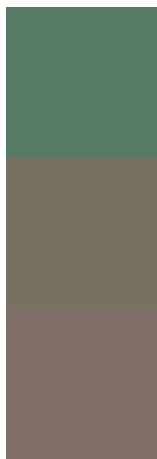


This preview shows how white text looks on a background with the Yxy color 16.8371, 0.2931, 0.3754.

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

16.8371, 0.2931, 0.3754

Protanopia

16.6664, 0.3424, 0.3610

Deuteranopia

16.7405, 0.3454, 0.3406



Tritanopia

16.7395, 0.2705, 0.3082

Trichromacy



Original Color

16.8371, 0.2931, 0.3754

Protanomaly

16.5608, 0.3239, 0.3666

Deuteranomaly

16.5246, 0.3249, 0.3515

Tritanomaly

16.6255, 0.2785, 0.3310

Monochromacy



Original Color

16.8371, 0.2931, 0.3754

Achromatopsia

15.2926, 0.3127, 0.3290

Achromatomaly

15.8419, 0.3055, 0.3460

CSS Examples

Text

The CSS property to change the color of the text to Yxy 16.8371, 0.2931, 0.3754 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, 122, 101) looks like.

```
.text, #text, p{  
    color:rgb(86, 122, 101)  
}
```

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, 122, 101) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(86, 122, 101) }
```

Border

The CSS property to change the border of an element to Yxy 16.8371, 0.2931, 0.3754 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, 122, 101) }
```

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

```
.border{ border-color:rgb(86, 122, 101) }
```

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

Here you see how a box with a 4 pixel rgb(86, 122, 101) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(86, 122, 101); -webkit-box-  
shadow:4px 4px 4px 4px rgb(86, 122, 101);  
box-shadow:4px 4px 4px 4px rgb(86, 122,  
101) }
```


Background

The CSS property to change the background color of an element to Yxy 16.8371, 0.2931, 0.3754 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(86, 122, 101) }
```

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

```
.background{ background-color: rgb(86, 122,  
101) }
```

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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