

Converting Colors

$Y_{xy}(16.3497, 0.2987, 0.3846)$

Have a look what the booklet for
Yxy(16.3497, 0.2987, 0.3846)
contains.

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Color

Yxy(16.2559, 0.2983, 0.3829)

Conversions

Conversions Part 1

Format	Color
Hex	567860
RGB	86, 120, 96
RGB Percent	34%, 47%, 38%
CMY	0.6628, 0.5294, 0.6236
CMYK	0.28, 0.00, 0.20, 0.53
HSL	138°, 17%, 40%
HSV	138°, 28%, 47%
XYZ	12.6642, 16.2559, 13.5346
YIQ	107.0980, -12.5600, -14.6720

Conversions

Conversions Part 2

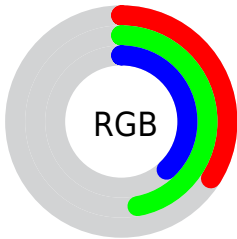
Format	Color
R_{YB}	86, 112, 120
Decimal	5666912
CIE _{Lab}	47.31, -17.50, 9.34
CIE _{LCh}	47, 19.839, 151.919
Yxy	16.2559, 0.2983, 0.3829
Android (android.graphics.Color)	4283856992 (0xFF567860)
YUV	107.0980, -5.4713, -18.5029
Hunter-Lab	40.3186, -14.4900, 8.3200

Details

The Yxy color **16.2559, 0.2983, 0.3829** is a dark color, and the websafe version is hex **336666**. A complement of this color would be **11.7727, 0.3310, 0.2806**, and the grayscale version is **14.7490, 0.3127, 0.3290**.

A 20% lighter version of the original color is **36.9300, 0.3022, 0.3678**, and **5.1681, 0.2896, 0.4084** is the 20% darker color. If you saturate the color by 10%, you get **15.5864, 0.2937, 0.4058**, and if you desaturate by 10%, it is **17.0393, 0.3033, 0.3620**.

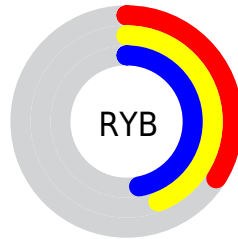
Distribution



Red (34%)

Green (47%)

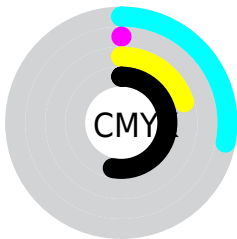
Blue (38%)



Red (34%)

Yellow (44%)

Blue (47%)

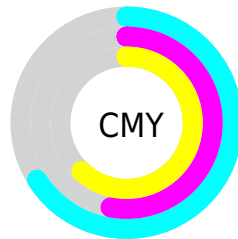


Cyan (28%)

Magenta (0%)

Yellow (20%)

Black (53%)



Cyan (66%)


Magenta (53%)


Yellow (62%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 16.2559, 0.2983, 0.3829 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 16.2559, 0.2983, 0.3829 by changing the saturation by 10% instead.


 16.2559, 0.2983,
0.3829


 16.2559, 0.2983,
0.3829


230.8470, 0.3072,
0.3503


 9.7054, 0.2952,
0.3939


 37.0419, 0.3021,
0.3693


 5.2041, 0.2903,
0.4104

 52.0462, 0.3034,
0.3647


 2.3675, 0.2819,
0.4380

 70.6372, 0.3043,
0.3611

 0.8091, 0.2478,
0.5868

 93.1994, 0.3051,
0.3582

 0.0000, 0.0000,
0.0000

 120.1170, 0.3058,
0.3557

151.7746, 0.3063,

0.3536

188.5565, 0.3068,
0.3519

■ 16.2559, 0.2983,
0.3829

■ 16.2559, 0.2983,
0.3829

■ 15.5864, 0.2937,
0.4058

■ 17.0393, 0.3033,
0.3620

■ 15.0233, 0.2898,
0.4303

■ 17.9394, 0.3084,
0.3431

■ 14.5617, 0.2867,
0.4560

■ 18.9615, 0.3136,
0.3264

■ 14.1952, 0.2848,
0.4819

■ 20.1102, 0.3186,
0.3115

■ 13.9168, 0.2843,
0.5072

■ 21.3894, 0.3235,
0.2985

■ 13.7184, 0.2853,
0.5306

■ 22.8033, 0.3282,
0.2871

■ 13.5789, 0.2872,
0.5515

■ 24.3556, 0.3326,
0.2771

■ 13.5575, 0.2874,
0.5547

■ 26.0500, 0.3368,
0.2684

■ 27.8900, 0.3407,
0.2608

Harmonies

Analogous

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



16.2559, 0.3375, 0.3994



16.2559, 0.2983, 0.3829



16.2559, 0.2644, 0.3488

Triad

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



16.2559, 0.2983, 0.3829



16.2559, 0.2550, 0.2664



16.2559, 0.3867, 0.3399

Complementary

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



16.2559, 0.2983, 0.3829



11.7727, 0.3310, 0.2806

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.



16.2559, 0.3618, 0.3084



16.2559, 0.2983, 0.3829



16.2559, 0.2847, 0.2675

Square

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



16.2559, 0.2983, 0.3829



16.2559, 0.2407, 0.2811



16.2559, 0.3237, 0.2826



16.2559, 0.3900, 0.3709

Rectangle

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



16.2559, 0.2983, 0.3829



16.2559, 0.2489, 0.3229



16.2559, 0.3237, 0.2826



16.2559, 0.3805, 0.3292

Sweetspot

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



16.2566, 0.2983, 0.3829



31.4023, 0.3080, 0.3447



17.4447, 0.3403, 0.3992



7.3944, 0.3073, 0.3469



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.



16.2566, 0.2983, 0.3829



27.8031, 0.2953, 0.3975



16.5962, 0.2809, 0.3449



4.4676, 0.3080, 0.3445



14.7866, 0.2876, 0.5554



70.4016, 0.2900, 0.5641

Inverse Universe

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



11.7727, 0.3310, 0.2806



18.5500, 0.3364, 0.2693



11.4435, 0.3583, 0.3138



4.0584, 0.3177, 0.3140



5.0641, 0.4088, 0.2026



24.0017, 0.4145, 0.2057

Previews

White Background



This preview shows how the Yxy color 16.2559, 0.2983, 0.3829 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 16.2559, 0.2983, 0.3829 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

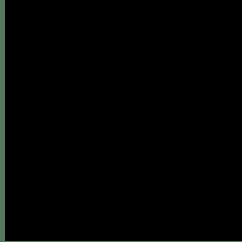
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 16.2559, 0.2983, 0.3829

Background



This preview shows how black text looks on a background with the Yxy color 16.2559, 0.2983, 0.3829.



This preview shows how white text looks on a background with the Yxy color 16.2559, 0.2983, 0.3829.

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

16.2559, 0.2983, 0.3829

Protanopia

16.2126, 0.3465, 0.3696

Deuteranopia

16.1380, 0.3515, 0.3466



Tritanopia

16.2468, 0.2741, 0.3101

Trichromacy



Original Color

16.2559, 0.2983, 0.3829

Protanomaly

16.1160, 0.3276, 0.3757

Deuteranomaly

15.9149, 0.3303, 0.3580

Tritanomaly

16.1111, 0.2834, 0.3354

Monochromacy



Original Color

16.2559, 0.2983, 0.3829

Achromatopsia

14.7027, 0.3127, 0.3290

Achromatomaly

15.2203, 0.3066, 0.3485

CSS Examples

Text

The CSS property to change the color of the text to Yxy 16.2559, 0.2983, 0.3829 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, 120, 96) looks like.

```
.text, #text, p{  
    color:rgb(86, 120, 96)  
}
```

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, 120, 96) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(86, 120, 96) }
```

Border

The CSS property to change the border of an element to Yxy 16.2559, 0.2983, 0.3829 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, 120, 96) }
```

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

```
.border{ border-color:rgb(86, 120, 96) }
```

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

Here you see how a box with a 4 pixel `rgb(86, 120, 96)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(86, 120, 96); -webkit-box-  
shadow:4px 4px 4px 4px rgb(86, 120, 96);  
box-shadow:4px 4px 4px 4px rgb(86, 120,  
96) }
```


Background

The CSS property to change the background color of an element to Yxy 16.2559, 0.2983, 0.3829 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(86, 120, 96) }
```

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

```
.background{ background-color: rgb(86, 120,  
96) }
```

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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