

Converting Colors

$Y_{xy}(16.2896, 0.4065, 0.3016)$

Have a look what the booklet for
Yxy(16.2896, 0.4065, 0.3016)
contains.

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Color

Yxy(16.3133, 0.4053, 0.3012)

Conversions

Conversions Part 1

Format	Color
Hex	A6596B
RGB	166, 89, 107
RGB Percent	65%, 35%, 42%
CMY	0.3490, 0.6510, 0.5805
CMYK	0.00, 0.46, 0.36, 0.35
HSL	346°, 30%, 50%
HSV	346°, 46%, 65%
XYZ	21.9515, 16.3133, 15.8963
YIQ	114.0750, 40.1140, 21.9220

Conversions

Conversions Part 2

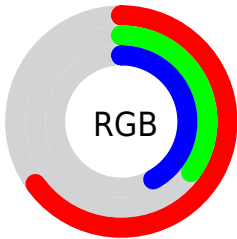
Format	Color
R _Y B	166, 89, 107
Decimal	10901867
CIE Lab	47.38, 33.57, 3.97
CIE LCh	47, 33.801, 6.744
Yxy	16.3133, 0.4053, 0.3012
Android (android.graphics.Color)	4289091947 (0xFFA6596B)
YUV	114.0750, -3.4880, 45.5382
Hunter-Lab	40.3897, 26.3312, 4.9379

Details

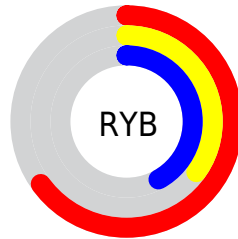
The Yxy color **16.3133, 0.4053, 0.3012** is a dark color, and the websafe version is hex **996666**. A complement of this color would be **31.5360, 0.2639, 0.3603**, and the grayscale version is **16.8529, 0.3127, 0.3290**.

A 20% lighter version of the original color is **37.2064, 0.3830, 0.3089**, and **5.2233, 0.4465, 0.2869** is the 20% darker color. If you saturate the color by 10%, you get **13.6073, 0.4377, 0.2963**, and if you desaturate by 10%, it is **19.6832, 0.3778, 0.3071**.

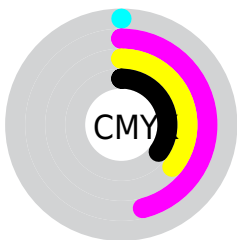
Distribution



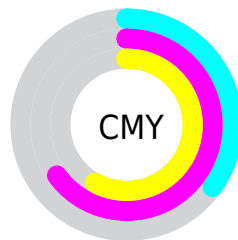
- Red (65%)
- Green (35%)
- Blue (42%)



- Red (65%)
- Yellow (35%)
- Blue (42%)



- Cyan (0%)
- Magenta (46%)
- Yellow (36%)
- Black (35%)





- Cyan (35%)
- Magenta (65%)
- Yellow (58%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 16.3133, 0.4053, 0.3012 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 16.3133, 0.4053, 0.3012 by changing the saturation by 10% instead.


 16.3133, 0.4053,
0.3012


 16.3133, 0.4053,
0.3012


231.1834, 0.3508,
0.3181


 9.7461, 0.4226,
0.2955


 37.1413, 0.3830,
0.3083


 5.2310, 0.4476,
0.2870

 52.1708, 0.3755,
0.3107

 2.3834, 0.4869,
0.2731

 70.7900, 0.3694,
0.3125

 0.8173, 0.5633,
0.2497

 93.3831, 0.3644,
0.3141

 0.0000, 1.0000,
0.0000

 120.3346, 0.3601,
0.3154

 0.0000, 0.0000,
0.0000

152.0289, 0.3566,

0.3164

188.8504, 0.3535,
0.3173

■ 16.3133, 0.4053,
0.3012

■ 16.3133, 0.4053,
0.3012

■ 13.6073, 0.4377,
0.2963

■ 19.6832, 0.3778,
0.3071

■ 11.5188, 0.4744,
0.2932

■ 23.7548, 0.3549,
0.3133

■ 9.9990, 0.5135,
0.2930


■ 28.5656, 0.3362,
0.3195


■ 8.9907, 0.5518,
0.2964

■ 34.1501, 0.3209,
0.3254

■ 8.4146, 0.5853,
0.3034

■ 40.5402, 0.3085,
0.3309

 8.2520, 0.5962,
0.3058

 47.7663, 0.2984,
0.3360

 55.8571, 0.2902,
0.3407

 64.8401, 0.2834,
0.3449

 74.7413, 0.2778,
0.3487

Harmonies

Analogous

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



16.3133, 0.3409, 0.2597



16.3133, 0.4053, 0.3012



16.3133, 0.4426, 0.3507

Triad

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



16.3133, 0.4053, 0.3012



16.3133, 0.3402, 0.4509



16.3133, 0.1983, 0.2425

Complementary

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



16.3133, 0.4053, 0.3012



31.5360, 0.2639, 0.3603

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.



16.3133, 0.1981, 0.2852



16.3133, 0.4053, 0.3012



16.3133, 0.2759, 0.4169

Square

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



16.3133, 0.4053, 0.3012



16.3133, 0.4004, 0.4402



16.3133, 0.2248, 0.3505



16.3133, 0.2243, 0.2260

Rectangle

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



16.3133, 0.4053, 0.3012



16.3133, 0.4450, 0.3845



16.3133, 0.2248, 0.3505



16.3133, 0.1953, 0.2537

Sweetspot

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



16.3141, 0.4053, 0.3012



53.8743, 0.3327, 0.3208



16.0793, 0.2933, 0.2101



11.6092, 0.3361, 0.3195



84.8088, 0.3127, 0.3290



15.4872, 0.3127, 0.3290

Same Dimension

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



16.3141, 0.4053, 0.3012



24.4125, 0.4400, 0.2960



19.6076, 0.4201, 0.3594



7.5699, 0.3250, 0.3237



6.4051, 0.5940, 0.3046



0.1634, 0.5064, 0.2563

Inverse Universe

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



16.3141, 0.4053, 0.3012



24.4125, 0.4400, 0.2960



25.6680, 0.2460, 0.2951



7.5699, 0.3250, 0.3237



6.4051, 0.5940, 0.3046



0.1634, 0.5064, 0.2563

Previews

White Background



This preview shows how the Yxy color 16.3133, 0.4053, 0.3012 looks on a white background.

Color Contrast Check

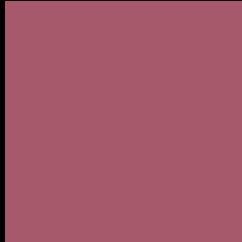
Large Text (above 18pt) WCAG AA ✓ Pass

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 16.3133, 0.4053, 0.3012 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

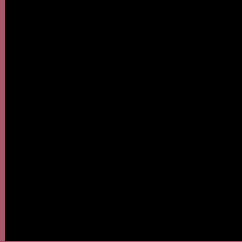
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 16.3133, 0.4053, 0.3012

Background



This preview shows how black text looks on a background with the Yxy color 16.3133, 0.4053, 0.3012.



This preview shows how white text looks on a background with the Yxy color 16.3133, 0.4053, 0.3012.

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

16.3133, 0.4053, 0.3012

Protanopia

16.4551, 0.3044, 0.3131

Deuteranopia

16.4488, 0.3443, 0.3387



Tritanopia

16.3446, 0.4191, 0.3199

Trichromacy



Original Color

16.3133, 0.4053, 0.3012

Protanomaly

16.0440, 0.3377, 0.3086

Deuteranomaly

16.1854, 0.3657, 0.3237

Tritanomaly

16.2512, 0.4132, 0.3120

Monochromacy



Original Color

16.3133, 0.4053, 0.3012

Achromatopsia

16.8269, 0.3127, 0.3290

Achromatomaly

16.2374, 0.3445, 0.3179

CSS Examples

Text

The CSS property to change the color of the text to Yxy 16.3133, 0.4053, 0.3012 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(166, 89, 107)` looks like.

```
.text, #text, p{  
    color:rgb(166, 89, 107)  
}
```

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(166, 89, 107) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(166, 89, 107) }
```

Border

The CSS property to change the border of an element to Yxy 16.3133, 0.4053, 0.3012 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(166, 89, 107) }
```

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

```
.border{ border-color:rgb(166, 89, 107) }
```

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

Here you see how a box with a 4 pixel `rgb(166, 89, 107)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(166, 89, 107); -webkit-box-  
shadow:4px 4px 4px 4px rgb(166, 89, 107);  
box-shadow:4px 4px 4px 4px rgb(166, 89,  
107) }
```


Background

The CSS property to change the background color of an element to Yxy 16.3133, 0.4053, 0.3012 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(166, 89, 107) }
```

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

```
.background{ background-color: rgb(166, 89,  
107) }
```

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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