

Converting Colors

$Y_{xy}(16.8986, 0.4337, 0.3173)$

Have a look what the booklet for
Yxy(16.8986, 0.4337, 0.3173)
contains.

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Color

Yxy(16.8412, 0.4336, 0.3161)

Conversions

Conversions Part 1

Format	Color
Hex	AE5861
RGB	174, 88, 97
RGB Percent	68%, 35%, 38%
CMY	0.3177, 0.6549, 0.6197
CMYK	0.00, 0.49, 0.44, 0.32
HSL	354°, 35%, 51%
HSV	354°, 49%, 68%
XYZ	23.1014, 16.8412, 13.3355
YIQ	114.7400, 48.3670, 21.0310

Conversions

Conversions Part 2

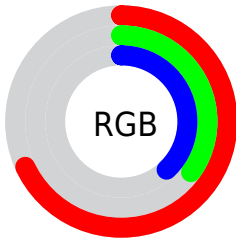
Format	Color
R_{YB}	174, 88, 97
Decimal	11425889
CIE Lab	48.06, 35.92, 11.12
CIE LCh	48, 37.601, 17.210
Yxy	16.8412, 0.4336, 0.3161
Android (android.graphics.Color)	4289615969 (0xFFAE5861)
YUV	114.7400, -8.7458, 51.9710
Hunter-Lab	41.0380, 28.6657, 9.4601

Details

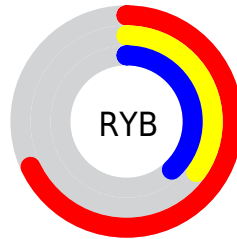
The Yxy color **16.8412, 0.4336, 0.3161** is a dark color, and the websafe version is hex **CC6666**. A complement of this color would be **35.0639, 0.2544, 0.3437**, and the grayscale version is **17.0780, 0.3127, 0.3290**.

A 20% lighter version of the original color is **38.0186, 0.4049, 0.3212**, and **5.4768, 0.4877, 0.3048** is the 20% darker color. If you saturate the color by 10%, you get **14.0554, 0.4739, 0.3145**, and if you desaturate by 10%, it is **20.3676, 0.3988, 0.3185**.

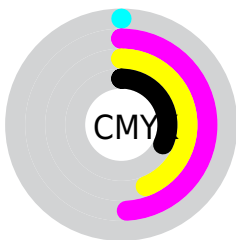
Distribution



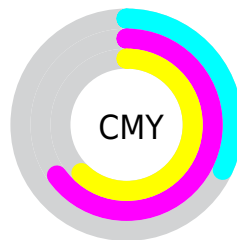
- Red (68%)
- Green (35%)
- Blue (38%)



- Red (68%)
- Yellow (35%)
- Blue (38%)



- Cyan (0%)
- Magenta (49%)
- Yellow (44%)
- Black (32%)



- Cyan (32%)
- Magenta (65%)
- Yellow (62%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 16.8412, 0.4336, 0.3161 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 16.8412, 0.4336, 0.3161 by changing the saturation by 10% instead.


 16.8412, 0.4336,
0.3161


 16.8412, 0.4336,
0.3161


234.2556, 0.3625,
0.3256


 10.1213, 0.4559,
0.3120


 38.0525, 0.4047,
0.3206


 5.4795, 0.4880,
0.3053

 53.3128, 0.3948,
0.3220

 2.5312, 0.5370,
0.2930

 72.1887, 0.3868,
0.3230

 0.8922, 0.6559,
0.2828

 95.0645, 0.3802,
0.3238

 0.0000, 1.0000,
0.0000

 122.3247, 0.3747,
0.3244

 0.0000, 0.0000,
0.0000

154.3537, 0.3700,

0.3249

191.5359, 0.3660,
0.3253

■ 16.8412, 0.4336,
0.3161

■ 16.8412, 0.4336,
0.3161

■ 14.0554, 0.4739,
0.3145

■ 20.3676, 0.3988,
0.3185

■ 11.9548, 0.5180,
0.3141

■ 24.6795, 0.3699,
0.3212

■ 10.4808, 0.5617,
0.3155


■ 29.8212, 0.3463,
0.3240


■ 9.5635, 0.5992,
0.3188


■ 35.8332, 0.3273,
0.3266

■ 9.0674, 0.6259,
0.3228


■ 42.7531, 0.3119,
0.3291

 9.0424, 0.6272,
0.3229

 50.6165, 0.2995,
0.3314

 59.4569, 0.2895,
0.3335

 69.3062, 0.2813,
0.3354

 80.1950, 0.2746,
0.3372

Harmonies

Analogous

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



16.8412, 0.3698, 0.2677



16.8412, 0.4336, 0.3161



16.8412, 0.4592, 0.3705

Triad

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



16.8412, 0.4336, 0.3161



16.8412, 0.3168, 0.4571



16.8412, 0.1953, 0.2252

Complementary

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



16.8412, 0.4336, 0.3161



35.0639, 0.2544, 0.3437

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.



16.8412, 0.1852, 0.2607



16.8412, 0.4336, 0.3161



16.8412, 0.2499, 0.4031

Square

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



16.8412, 0.4336, 0.3161



16.8412, 0.3863, 0.4598



16.8412, 0.2033, 0.3249



16.8412, 0.2324, 0.2172

Rectangle

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



16.8412, 0.4336, 0.3161



16.8412, 0.4507, 0.4064



16.8412, 0.2033, 0.3249



16.8412, 0.1889, 0.2338

Sweetspot

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



16.8421, 0.4336, 0.3161



58.4281, 0.3379, 0.3251



17.9259, 0.3057, 0.2073



12.4993, 0.3420, 0.3245



89.0005, 0.3127, 0.3290



17.0645, 0.3127, 0.3290

Same Dimension

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



16.8421, 0.4336, 0.3161



25.2218, 0.4766, 0.3144



23.3710, 0.4216, 0.3782



8.0284, 0.3271, 0.3267



6.5633, 0.6255, 0.3219



0.1868, 0.5729, 0.2930

Inverse Universe

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



16.8421, 0.4336, 0.3161



25.2218, 0.4766, 0.3144



24.1913, 0.2382, 0.2719



8.0284, 0.3271, 0.3267



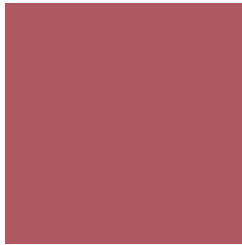
6.5633, 0.6255, 0.3219



0.1868, 0.5729, 0.2930

Previews

White Background



This preview shows how the Yxy color 16.8412, 0.4336, 0.3161 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 16.8412, 0.4336, 0.3161 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

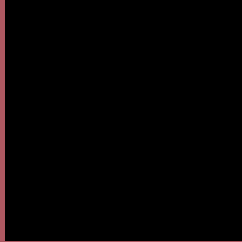
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 16.8412, 0.4336, 0.3161

Background



This preview shows how black text looks on a background with the Yxy color 16.8412, 0.4336, 0.3161.



This preview shows how white text looks on a background with the Yxy color 16.8412, 0.4336, 0.3161.

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

16.8412, 0.4336, 0.3161

Protanopia

17.0120, 0.3229, 0.3369

Deuteranopia

16.9287, 0.3675, 0.3612



Tritanopia

16.8043, 0.4369, 0.3190

Trichromacy



Original Color

16.8412, 0.4336, 0.3161

Protanomaly

16.5263, 0.3601, 0.3291

Deuteranomaly

16.6068, 0.3924, 0.3432

Tritanomaly

16.8226, 0.4352, 0.3175

Monochromacy



Original Color

16.8412, 0.4336, 0.3161

Achromatopsia

17.1441, 0.3127, 0.3290

Achromatomaly

16.4201, 0.3530, 0.3236

CSS Examples

Text

The CSS property to change the color of the text to Yxy 16.8412, 0.4336, 0.3161 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(174, 88, 97)` looks like.

```
.text, #text, p{  
  color:rgb(174, 88, 97)  
}
```

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(174, 88, 97) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(174, 88, 97) }
```

Border

The CSS property to change the border of an element to Yxy 16.8412, 0.4336, 0.3161 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(174, 88, 97) }
```

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

```
.border{ border-color:rgb(174, 88, 97) }
```

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

Here you see how a box with a 4 pixel rgb(174, 88, 97) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(174, 88, 97); -webkit-box-  
shadow:4px 4px 4px 4px rgb(174, 88, 97);  
box-shadow:4px 4px 4px 4px rgb(174, 88,  
97) }
```


Background

The CSS property to change the background color of an element to Yxy 16.8412, 0.4336, 0.3161 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(174, 88, 97) }
```

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

```
.background{ background-color: rgb(174, 88,  
97) }
```

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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