

Converting Colors

$Y_{xy}(16.8488, 0.2949, 0.2313)$

Have a look what the booklet for
Yxy(16.8488, 0.2949, 0.2313)
contains.

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Color

Yxy(16.8667, 0.2954, 0.2315)

Conversions

Conversions Part 1

Format	Color
Hex	8D629E
RGB	141, 98, 158
RGB Percent	55%, 38%, 62%
CMY	0.4471, 0.6157, 0.3804
CMYK	0.11, 0.38, 0.00, 0.38
HSL	283°, 24%, 50%
HSV	283°, 38%, 62%
XYZ	21.5223, 16.8667, 34.4693
YIQ	117.6970, 6.3680, 27.7760

Conversions

Conversions Part 2

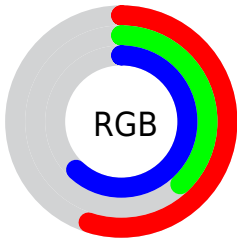
Format	Color
R_{YB}	141, 98, 158
Decimal	9265822
CIE _{Lab}	48.09, 28.50, -25.80
CIE _{LCh}	48, 38.447, 317.841
Yxy	16.8667, 0.2954, 0.2315
Android (android.graphics.Color)	4287455902 (0xFF8D629E)
YUV	117.6970, 19.8694, 20.4367
Hunter-Lab	41.0691, 21.6724, -21.0137

Details

The Yxy color **16.8667, 0.2954, 0.2315** is a dark color, and the websafe version is hex **996699**. A complement of this color would be **28.9823, 0.3234, 0.4358**, and the grayscale version is **17.9528, 0.3127, 0.3290**.

A 20% lighter version of the original color is **38.0348, 0.3006, 0.2511**, and **5.4955, 0.2870, 0.1982** is the 20% darker color. If you saturate the color by 10%, you get **13.8117, 0.2891, 0.2054**, and if you desaturate by 10%, it is **20.5226, 0.3010, 0.2582**.

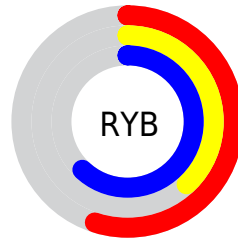
Distribution



Red (55%)

Green (38%)

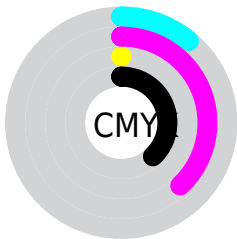
Blue (62%)



Red (55%)

Yellow (38%)

Blue (62%)

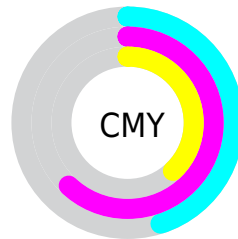


Cyan (11%)

Magenta (38%)

Yellow (0%)

Black (38%)



Cyan (45%)


Magenta (62%)


Yellow (38%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 16.8667, 0.2954, 0.2315 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 16.8667, 0.2954, 0.2315 by changing the saturation by 10% instead.


 16.8667, 0.2954,
0.2315

 16.8667, 0.2954,
0.2315


234.4030, 0.3066,
0.2844


 10.1395, 0.2915,
0.2170


 38.0964, 0.3002,
0.2517


 5.4915, 0.2855,
0.1976


 53.3678, 0.3018,
0.2590

 2.5385, 0.2759,
0.1706

 72.2559, 0.3031,
0.2651

 0.8958, 0.2586,
0.1315

 95.1453, 0.3041,
0.2702

 0.0000, 0.2243,
0.0000

122.4203, 0.3049,
0.2745

 0.0000, 0.0000,
0.0000

154.4654, 0.3056,

0.2783

191.6648, 0.3061,
0.2815

■ 16.8667, 0.2954,
0.2315

■ 16.8667, 0.2954,
0.2315

■ 13.8117, 0.2891,
0.2054

■ 20.5226, 0.3010,
0.2582

■ 11.3209, 0.2822,
0.1809

■ 24.8093, 0.3058,
0.2845

■ 9.3565, 0.2749,
0.1590


■ 29.7569, 0.3099,
0.3098


■ 7.8755, 0.2674,
0.1409


■ 35.3932, 0.3134,
0.3337


■ 6.8276, 0.2598,
0.1271

■ 41.7443, 0.3162,
0.3560


 6.1230, 0.2525,
0.1175

 48.8348, 0.3185,
0.3764

 5.9926, 0.2510,
0.1156

 56.6884, 0.3203,
0.3950

 65.3275, 0.3217,
0.4118

 74.7736, 0.3228,
0.4270

Harmonies

Analogous

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



16.8667, 0.2319, 0.2152



16.8667, 0.2954, 0.2315



16.8667, 0.3726, 0.2674

Triad

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



16.8667, 0.2954, 0.2315



16.8667, 0.4412, 0.4256



16.8667, 0.2004, 0.3230

Complementary

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



16.8667, 0.2954, 0.2315



28.9823, 0.3234, 0.4358

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.



16.8667, 0.2472, 0.4033



16.8667, 0.2954, 0.2315



16.8667, 0.3862, 0.4630

Square

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



16.8667, 0.2954, 0.2315



16.8667, 0.4623, 0.3721



16.8667, 0.3151, 0.4596



16.8667, 0.1827, 0.2580

Rectangle

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



16.8667, 0.2954, 0.2315



16.8667, 0.4191, 0.2993



16.8667, 0.3151, 0.4596



16.8667, 0.2129, 0.3496

Sweetspot

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



16.8674, 0.2954, 0.2315



50.9874, 0.3087, 0.3017



17.5580, 0.2500, 0.2514



11.2350, 0.3082, 0.2985



80.7346, 0.3127, 0.3290



13.9985, 0.3127, 0.3290

Same Dimension

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



16.8674, 0.2954, 0.2315



25.6259, 0.2898, 0.2081



18.0815, 0.3324, 0.2540



6.6600, 0.3094, 0.3066



4.8200, 0.2516, 0.1160



0.1062, 0.2810, 0.1321

Inverse Universe

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



17.2444, 0.3768, 0.3013



26.5360, 0.3999, 0.2950



28.1772, 0.2980, 0.4181



6.6755, 0.3242, 0.3227



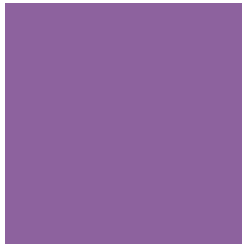
5.9784, 0.5769, 0.2952



0.1136, 0.4762, 0.2397

Previews

White Background



This preview shows how the Yxy color 16.8667, 0.2954, 0.2315 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 16.8667, 0.2954, 0.2315 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✗ Fail

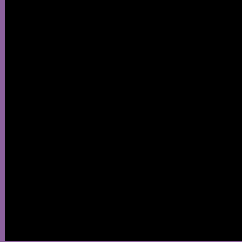
Large Text (above 18pt) WCAG AAA ✗ Fail

Any Text WCAG AAA ✗ Fail

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

Yxy 16.8667, 0.2954, 0.2315

Background



This preview shows how black text looks on a background with the Yxy color 16.8667, 0.2954, 0.2315.



This preview shows how white text looks on a background with the Yxy color 16.8667, 0.2954, 0.2315.

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

16.8667, 0.2954, 0.2315

Protanopia

17.1454, 0.2371, 0.2273

Deuteranopia

17.0604, 0.2566, 0.2514



Tritanopia

16.9041, 0.3412, 0.3144

Trichromacy



Original Color

16.8667, 0.2954, 0.2315

Protanomaly

16.9230, 0.2551, 0.2281

Deuteranomaly

16.9073, 0.2697, 0.2438

Tritanomaly

16.8577, 0.3231, 0.2813

Monochromacy



Original Color

16.8667, 0.2954, 0.2315

Achromatopsia

18.1164, 0.3127, 0.3290

Achromatomaly

17.4980, 0.3056, 0.2887

CSS Examples

Text

The CSS property to change the color of the text to Yxy 16.8667, 0.2954, 0.2315 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(141, 98, 158)` looks like.

```
.text, #text, p{  
    color:rgb(141, 98, 158)  
}
```

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(141, 98, 158) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(141, 98, 158) }
```

Border

The CSS property to change the border of an element to Yxy 16.8667, 0.2954, 0.2315 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(141, 98, 158) }
```

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

```
.border{ border-color:rgb(141, 98, 158) }
```

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

Here you see how a box with a 4 pixel `rgb(141, 98, 158)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(141, 98, 158); -webkit-box-  
shadow:4px 4px 4px 4px rgb(141, 98, 158);  
box-shadow:4px 4px 4px 4px rgb(141, 98,  
158) }
```


Background

The CSS property to change the background color of an element to Yxy 16.8667, 0.2954, 0.2315 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(141, 98, 158) }
```

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

```
.background{ background-color: rgb(141, 98,  
158) }
```

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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