

Converting Colors

$Y_{xy}(11.5060, 0.2954, 0.2088)$

Have a look what the booklet for
Yxy(11.5060, 0.2954, 0.2088)
contains.

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Color

Yxy(11.6045, 0.2959, 0.2097)

Conversions

Conversions Part 1

Format	Color
Hex	804B8F
RGB	128, 75, 143
RGB Percent	50%, 29%, 56%
CMY	0.4981, 0.7058, 0.4393
CMYK	0.10, 0.48, 0.00, 0.44
HSL	287°, 31%, 43%
HSV	287°, 48%, 56%
XYZ	16.3747, 11.6045, 27.3594
YIQ	98.5990, 9.7600, 32.3840

Conversions

Conversions Part 2

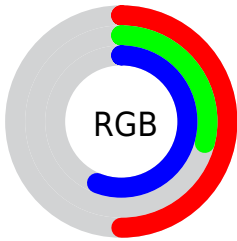
Format	Color
R_{YB}	128, 75, 143
Decimal	8407951
CIE _{Lab}	40.58, 34.33, -28.65
CIE _{LCh}	41, 44.719, 320.154
Yxy	11.6045, 0.2959, 0.2097
Android (android.graphics.Color)	4286598031 (0xFF804B8F)
YUV	98.5990, 21.8897, 25.7847
Hunter-Lab	34.0654, 26.1877, -23.7726

Details

The Yxy color **11.6045, 0.2959, 0.2097** is a dark color, and the websafe version is hex **663366**. A complement of this color would be **22.3240, 0.3203, 0.4671**, and the grayscale version is **12.3142, 0.3127, 0.3290**.

A 20% lighter version of the original color is **28.6435, 0.3014, 0.2352**, and **3.1344, 0.2839, 0.1653** is the 20% darker color. If you saturate the color by 10%, you get **9.6374, 0.2908, 0.1863**, and if you desaturate by 10%, it is **14.0162, 0.3005, 0.2348**.

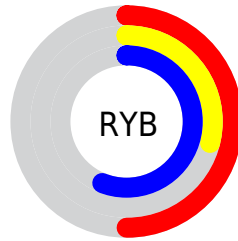
Distribution



Red (50%)

Green (29%)

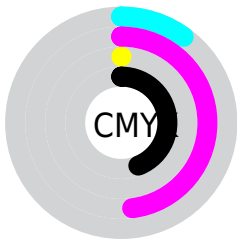
Blue (56%)



Red (50%)

Yellow (29%)

Blue (56%)

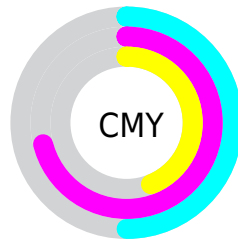


Cyan (10%)

Magenta (48%)

Yellow (0%)

Black (44%)



Cyan (50%)


Magenta (71%)

Yellow (44%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 11.6045, 0.2959, 0.2097 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 11.6045, 0.2959, 0.2097 by changing the saturation by 10% instead.


 11.6045, 0.2959,
0.2097


 11.6045, 0.2959,
0.2097


201.7691, 0.3080,
0.2765


 6.4750, 0.2909,
0.1906


 28.7727, 0.3015,
0.2358


 3.1360, 0.2830,
0.1649

 41.5802, 0.3032,
0.2450

 1.2031, 0.2689,
0.1289

 57.7158, 0.3045,
0.2526

 0.0643, 0.2560,
0.0183

 77.5638, 0.3055,
0.2590

 0.0000, 0.0000,
0.0000

 101.5088, 0.3064,
0.2643

129.9351, 0.3070,

0.2690

163.2271, 0.3076,
0.2730

■ 11.6045, 0.2959,
0.2097

■ 11.6045, 0.2959,
0.2097

■ 9.6374, 0.2908,
0.1863

■ 14.0162, 0.3005,
0.2348

■ 8.0838, 0.2853,
0.1656

■ 16.8978, 0.3045,
0.2606

■ 6.9108, 0.2796,
0.1484

■ 20.2747, 0.3080,
0.2862

■ 6.0799, 0.2739,
0.1355

■ 24.1698, 0.3109,
0.3111

■ 5.5186, 0.2681,
0.1264

■ 28.6046, 0.3133,
0.3347

■ 5.3915, 0.2667,
0.1243

■ 33.5994, 0.3152,
0.3567

■ 39.1736, 0.3167,
0.3771

■ 45.3454, 0.3179,
0.3957

■ 52.1323, 0.3187,
0.4127

Harmonies

Analogous

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



11.6045, 0.2144, 0.1877



11.6045, 0.2959, 0.2097



11.6045, 0.3981, 0.2545

Triad

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



11.6045, 0.2959, 0.2097



11.6045, 0.4692, 0.4500



11.6045, 0.1670, 0.3096

Complementary

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



11.6045, 0.2959, 0.2097



22.3240, 0.3203, 0.4671

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.



11.6045, 0.2201, 0.4210



11.6045, 0.2959, 0.2097



11.6045, 0.3941, 0.5044

Square

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



11.6045, 0.2959, 0.2097



11.6045, 0.5057, 0.3813



11.6045, 0.3035, 0.5034



11.6045, 0.1504, 0.2302

Rectangle

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



11.6045, 0.2959, 0.2097



11.6045, 0.4586, 0.2933



11.6045, 0.3035, 0.5034



11.6045, 0.1805, 0.3451

Sweetspot

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



11.6050, 0.2959, 0.2097



38.4756, 0.3090, 0.2944



10.9393, 0.2317, 0.2187



8.5221, 0.3084, 0.2895



72.9347, 0.3127, 0.3290



11.2805, 0.3127, 0.3290

Same Dimension

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



11.6050, 0.2959, 0.2097



17.0550, 0.2905, 0.1848



12.3493, 0.3459, 0.2436



5.4519, 0.3104, 0.3071



4.7772, 0.2670, 0.1245



0.0552, 0.2943, 0.1395

Inverse Universe

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



11.6104, 0.4087, 0.3025



17.1901, 0.4439, 0.2977



21.9310, 0.2913, 0.4344



5.4424, 0.3249, 0.3242



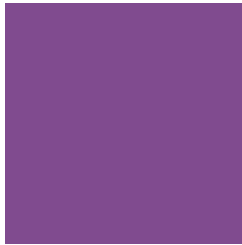
5.2561, 0.5960, 0.3057



0.0531, 0.4971, 0.2512

Previews

White Background



This preview shows how the Yxy color 11.6045, 0.2959, 0.2097 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 11.6045, 0.2959, 0.2097 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

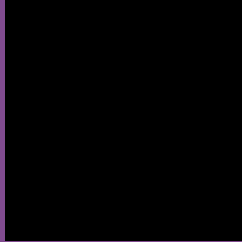
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 11.6045, 0.2959, 0.2097

Background



This preview shows how black text looks on a background with the Yxy color 11.6045, 0.2959, 0.2097.



This preview shows how white text looks on a background with the Yxy color 11.6045, 0.2959, 0.2097.

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

11.6045, 0.2959, 0.2097

Protanopia

11.8087, 0.2153, 0.1986

Deuteranopia

11.7108, 0.2408, 0.2354



Tritanopia

11.6717, 0.3601, 0.3167

Trichromacy



Original Color

11.6045, 0.2959, 0.2097

Protanomaly

11.3231, 0.2368, 0.1993

Deuteranomaly

11.4143, 0.2585, 0.2243

Tritanomaly

11.6193, 0.3365, 0.2739

Monochromacy



Original Color

11.6045, 0.2959, 0.2097

Achromatopsia

12.4772, 0.3127, 0.3290

Achromatomaly

11.8651, 0.3075, 0.2768

CSS Examples

Text

The CSS property to change the color of the text to Yxy 11.6045, 0.2959, 0.2097 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(128, 75, 143)` looks like.

```
.text, #text, p{  
    color:rgb(128, 75, 143)  
}
```

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(128, 75, 143) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(128, 75, 143) }
```

Border

The CSS property to change the border of an element to Yxy 11.6045, 0.2959, 0.2097 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(128, 75, 143) }
```

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

```
.border{ border-color:rgb(128, 75, 143) }
```

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

Here you see how a box with a 4 pixel `rgb(128, 75, 143)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(128, 75, 143); -webkit-box-  
shadow:4px 4px 4px 4px rgb(128, 75, 143);  
box-shadow:4px 4px 4px 4px rgb(128, 75,  
143) }
```


Background

The CSS property to change the background color of an element to Yxy 11.6045, 0.2959, 0.2097 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(128, 75, 143) }
```

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

```
.background{ background-color: rgb(128, 75,  
143) }
```

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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