

Converting Colors

$Y_{xy}(11.6811, 0.3279, 0.2058)$

Have a look what the booklet for
Yxy(11.6811, 0.3279, 0.2058)
contains.

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Color

Yxy(11.6811, 0.3279, 0.2058)

Conversions

Conversions Part 1

Format	Color
Hex	933F8D
RGB	147, 63, 141
RGB Percent	58%, 25%, 55%
CMY	0.4237, 0.7528, 0.4471
CMYK	0.00, 0.57, 0.04, 0.42
HSL	304°, 40%, 41%
HSV	304°, 57%, 58%
XYZ	18.6114, 11.6811, 26.4669
YIQ	97.0080, 25.0260, 42.0660

Conversions

Conversions Part 2

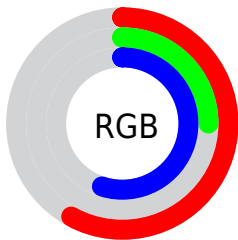
Format	Color
R_{YB}	147, 63, 141
Decimal	9650061
CIE _{Lab}	40.70, 45.93, -27.05
CIE _{LCh}	41, 53.304, 329.503
Yxy	11.6811, 0.3279, 0.2058
Android (android.graphics.Color)	4287840141 (0xFF933F8D)
YUV	97.0080, 21.6881, 43.8430
Hunter-Lab	34.1776, 37.3914, -21.9895

Details

The Yxy color **11.6811, 0.3279, 0.2058** is a dark color, and the websafe version is hex **993399**. A complement of this color would be **22.3430, 0.3004, 0.4951**, and the grayscale version is **11.8999, 0.3127, 0.3290**.

A 20% lighter version of the original color is **28.8981, 0.3260, 0.2320**, and **3.1830, 0.3310, 0.1622** is the 20% darker color. If you saturate the color by 10%, you get **10.2333, 0.3308, 0.1899**, and if you desaturate by 10%, it is **13.5649, 0.3249, 0.2247**.

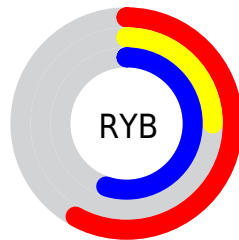
Distribution



Red (58%)

Green (25%)

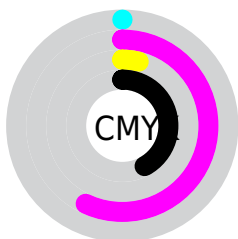
Blue (55%)



Red (58%)

Yellow (25%)

Blue (55%)

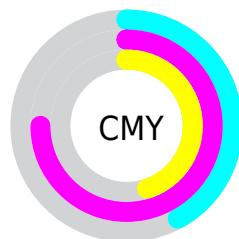


Cyan (0%)

Magenta (57%)

Yellow (4%)

Black (42%)



Cyan (42%)


Magenta (75%)


Yellow (45%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 11.6811, 0.3279, 0.2058 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 11.6811, 0.3279, 0.2058 by changing the saturation by 10% instead.


 11.6811, 0.3279,
0.2058


 11.6811, 0.3279,
0.2058


202.2825, 0.3214,
0.2740


 6.5269, 0.3287,
0.1867


 28.9129, 0.3260,
0.2322


 3.1680, 0.3289,
0.1611


 41.7594, 0.3251,
0.2416

 1.2201, 0.3270,
0.1256

 57.9387, 0.3243,
0.2494

 0.0780, 0.3374,
0.0211

 77.8354, 0.3236,
0.2559

 0.0000, 0.1566,
0.0000

 101.8337, 0.3230,
0.2614

 0.0000, 0.0000,
0.0000

130.3180, 0.3224,

0.2662

163.6728, 0.3219,
0.2704

■ 11.6811, 0.3279,
0.2058

■ 11.6811, 0.3279,
0.2058

■ 10.2333, 0.3308,
0.1899

■ 13.5649, 0.3249,
0.2247

■ 9.1844, 0.3336,
0.1777

■ 15.9146, 0.3220,
0.2458

■ 8.4940, 0.3362,
0.1697

■ 18.7593, 0.3192,
0.2681

■ 8.0922, 0.3386,
0.1653

■ 22.1253, 0.3166,
0.2909

■ 7.9910, 0.3393,
0.1643

■ 26.0371, 0.3143,
0.3134

■ 30.5176, 0.3121,
0.3352

■ 35.5884, 0.3102,
0.3559

■ 41.2700, 0.3085,
0.3753

■ 47.5818, 0.3071,
0.3933

Harmonies

Analogous

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



11.6811, 0.2233, 0.1730



11.6811, 0.3279, 0.2058



11.6811, 0.4494, 0.2616

Triad

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



11.6811, 0.3279, 0.2058



11.6811, 0.4644, 0.4858



11.6811, 0.1356, 0.2682

Complementary

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



11.6811, 0.3279, 0.2058



22.3430, 0.3004, 0.4951

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.



11.6811, 0.1798, 0.3956



11.6811, 0.3279, 0.2058



11.6811, 0.3686, 0.5453

Square

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



11.6811, 0.3279, 0.2058



11.6811, 0.5284, 0.4058



11.6811, 0.2650, 0.5205



11.6811, 0.1304, 0.1951

Rectangle

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



11.6811, 0.3279, 0.2058



11.6811, 0.5107, 0.3066



11.6811, 0.2650, 0.5205



11.6811, 0.1455, 0.3054

Sweetspot

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



11.6816, 0.3279, 0.2058



39.4862, 0.3167, 0.2903



6.9170, 0.2114, 0.1544



8.7524, 0.3172, 0.2862



74.8414, 0.3127, 0.3290



11.9280, 0.3127, 0.3290

Same Dimension

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



11.6816, 0.3279, 0.2058



17.6377, 0.3318, 0.1854



10.6676, 0.4033, 0.2676



5.9021, 0.3147, 0.3087



6.9335, 0.3392, 0.1642



0.0866, 0.3292, 0.1587

Inverse Universe

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



11.6816, 0.3279, 0.2058



17.6377, 0.3318, 0.1854



23.0519, 0.2692, 0.4048



5.9021, 0.3147, 0.3087



6.9335, 0.3392, 0.1642



0.0866, 0.3292, 0.1587

Previews

White Background



This preview shows how the Yxy color 11.6811, 0.3279, 0.2058 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 11.6811, 0.3279, 0.2058 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

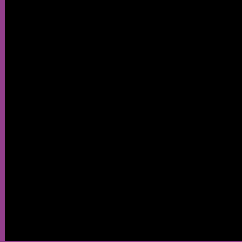
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 11.6811, 0.3279, 0.2058

Background



This preview shows how black text looks on a background with the Yxy color 11.6811, 0.3279, 0.2058.



This preview shows how white text looks on a background with the Yxy color 11.6811, 0.3279, 0.2058.

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

11.6811, 0.3279, 0.2058

Protanopia

11.9225, 0.2068, 0.1870

Deuteranopia

11.9540, 0.2491, 0.2456



Tritanopia

11.6643, 0.4131, 0.3183

Trichromacy



Original Color

11.6811, 0.3279, 0.2058

Protanomaly

11.0348, 0.2366, 0.1881

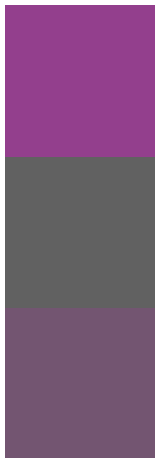
Deuteranomaly

11.2110, 0.2728, 0.2244

Tritanomaly

11.6246, 0.3814, 0.2726

Monochromacy



Original Color

11.6811, 0.3279, 0.2058

Achromatopsia

11.9538, 0.3127, 0.3290

Achromatomaly

11.3341, 0.3186, 0.2715

CSS Examples

Text

The CSS property to change the color of the text to Yxy 11.6811, 0.3279, 0.2058 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(147, 63, 141)` looks like.

```
.text, #text, p{  
    color:rgb(147, 63, 141)  
}
```

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(147, 63, 141) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(147, 63, 141) }
```

Border

The CSS property to change the border of an element to Yxy 11.6811, 0.3279, 0.2058 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(147, 63, 141) }
```

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

```
.border{ border-color:rgb(147, 63, 141) }
```

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

Here you see how a box with a 4 pixel `rgb(147, 63, 141)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(147, 63, 141); -webkit-box-  
shadow:4px 4px 4px 4px rgb(147, 63, 141);  
box-shadow:4px 4px 4px 4px rgb(147, 63,  
141) }
```


Background

The CSS property to change the background color of an element to Yxy 11.6811, 0.3279, 0.2058 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(147, 63, 141) }
```

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

```
.background{ background-color: rgb(147, 63,  
141) }
```

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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