

Converting Colors

$Y_{xy}(12.0908, 0.2939, 0.1795)$

Have a look what the booklet for
Yxy(12.0908, 0.2939, 0.1795)
contains.

Yxy(12.0929, 0.2939, 0.1795)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(12.0929, 0.2939, 0.1795)

Conversions

Conversions Part 1

Format	Color
Hex	903FA2
RGB	144, 63, 162
RGB Percent	56%, 25%, 64%
CMY	0.4353, 0.7529, 0.3647
CMYK	0.11, 0.61, 0.00, 0.36
HSL	289°, 44%, 44%
HSV	289°, 61%, 64%
XYZ	19.8000, 12.0929, 35.4770
YIQ	98.5050, 16.4970, 47.9610

Conversions

Conversions Part 2

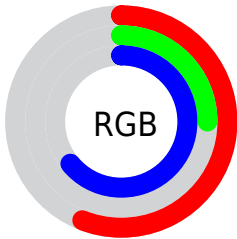
Format	Color
R_{YB}	144, 63, 162
Decimal	9453474
CIE _{Lab}	41.36, 49.14, -38.72
CIE _{LCh}	41, 62.566, 321.765
Yxy	12.0929, 0.2939, 0.1795
Android (android.graphics.Color)	4287643554 (0xFF903FA2)
YUV	98.5050, 31.3030, 39.8991
Hunter-Lab	34.7748, 40.7779, -36.1448

Details

The Yxy color **12.0929, 0.2939, 0.1795** is a dark color, and the websafe version is hex **993399**. A complement of this color would be **27.9532, 0.3167, 0.5142**, and the grayscale version is **12.2645, 0.3127, 0.3290**.

A 20% lighter version of the original color is **29.5506, 0.3009, 0.2094**, and **3.3429, 0.2774, 0.1315** is the 20% darker color. If you saturate the color by 10%, you get **10.2931, 0.2894, 0.1608**, and if you desaturate by 10%, it is **14.4286, 0.2981, 0.2014**.

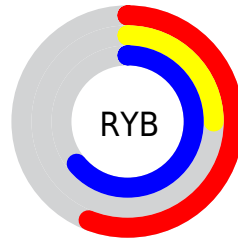
Distribution



Red (56%)

Green (25%)

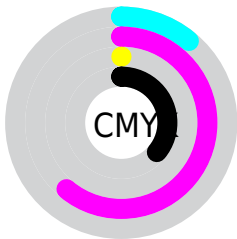
Blue (64%)



Red (56%)

Yellow (25%)

Blue (64%)

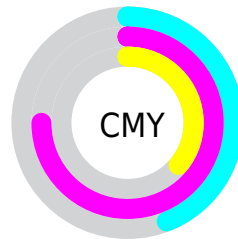


Cyan (11%)

Magenta (61%)

Yellow (0%)

Black (36%)



Cyan (44%)


Magenta (75%)

Yellow (36%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 12.0929, 0.2939, 0.1795 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 12.0929, 0.2939, 0.1795 by changing the saturation by 10% instead.


 12.0929, 0.2939,
0.1795


 12.0929, 0.2939,
0.1795

205.0193, 0.3083,
0.2594


 6.8070, 0.2880,
0.1586


 29.6642, 0.3007,
0.2094

 3.3417, 0.2787,
0.1319


 42.7183, 0.3027,
0.2205


 1.3126, 0.2630,
0.0973


 59.1307, 0.3043,
0.2296

 0.1509, 0.2413,
0.0251

 79.2857, 0.3055,
0.2374

 0.0000, 0.1359,
0.0000

 103.5676, 0.3064,
0.2441

 0.0000, 0.0000,
0.0000

132.3609, 0.3072,

0.2499

166.0501, 0.3078,
0.2550

■ 12.0929, 0.2939,
0.1795

■ 12.0929, 0.2939,
0.1795

■ 10.2931, 0.2894,
0.1608

■ 14.4286, 0.2981,
0.2014

■ 8.9799, 0.2846,
0.1461

■ 17.3409, 0.3020,
0.2256

■ 8.0971, 0.2799,
0.1357

■ 20.8680, 0.3053,
0.2510

■ 7.5569, 0.2757,
0.1292

■ 25.0448, 0.3082,
0.2768

■ 29.9030, 0.3106,
0.3021

■ 35.4728, 0.3125,
0.3264

■ 41.7822, 0.3141,
0.3493

■ 48.8577, 0.3153,
0.3706

■ 56.7247, 0.3161,
0.3901

Harmonies

Analogous

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



12.0929, 0.1885, 0.1515



12.0929, 0.2939, 0.1795



12.0929, 0.4351, 0.2342

Triad

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



12.0929, 0.2939, 0.1795



12.0929, 0.5008, 0.4735



12.0929, 0.1225, 0.2878

Complementary

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



12.0929, 0.2939, 0.1795



27.9532, 0.3167, 0.5142

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.



12.0929, 0.1804, 0.4506



12.0929, 0.2939, 0.1795



12.0929, 0.3965, 0.5607

Square

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



12.0929, 0.2939, 0.1795



12.0929, 0.5636, 0.3833



12.0929, 0.2819, 0.5766



12.0929, 0.1092, 0.1915

Rectangle

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



12.0929, 0.2939, 0.1795



12.0929, 0.5178, 0.2804



12.0929, 0.2819, 0.5766



12.0929, 0.1362, 0.3365

Sweetspot

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



12.0934, 0.2939, 0.1795



47.7744, 0.3089, 0.2839



9.5744, 0.2039, 0.1694



10.2053, 0.3082, 0.2767



82.7571, 0.3127, 0.3290



14.7319, 0.3127, 0.3290

Same Dimension

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



12.0934, 0.2939, 0.1795



17.8091, 0.2878, 0.1555



12.8677, 0.3682, 0.2283



7.1367, 0.3110, 0.3066



5.9698, 0.2761, 0.1295



0.1414, 0.2934, 0.1390

Inverse Universe

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



11.8327, 0.4644, 0.3025



17.5458, 0.5187, 0.3017



27.7155, 0.2842, 0.4631



7.1060, 0.3258, 0.3249



6.1282, 0.6082, 0.3124



0.1343, 0.5247, 0.2664

Previews

White Background



This preview shows how the Yxy color 12.0929, 0.2939, 0.1795 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 12.0929, 0.2939, 0.1795 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

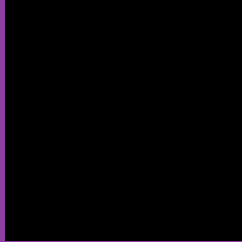
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 12.0929, 0.2939, 0.1795

Background



This preview shows how black text looks on a background with the Yxy color 12.0929, 0.2939, 0.1795.



This preview shows how white text looks on a background with the Yxy color 12.0929, 0.2939, 0.1795.

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

12.0929, 0.2939, 0.1795

Protanopia

12.4280, 0.1833, 0.1573

Deuteranopia

12.2939, 0.2172, 0.2117



Tritanopia

12.1472, 0.3884, 0.3177

Trichromacy



Original Color

12.0929, 0.2939, 0.1795

Protanomaly

11.1004, 0.2037, 0.1558

Deuteranomaly

11.3453, 0.2372, 0.1917

Tritanomaly

11.8331, 0.3525, 0.2572

Monochromacy



Original Color

12.0929, 0.2939, 0.1795

Achromatopsia

12.4772, 0.3127, 0.3290

Achromatomaly

11.7056, 0.3054, 0.2570

CSS Examples

Text

The CSS property to change the color of the text to Yxy 12.0929, 0.2939, 0.1795 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(144, 63, 162)` looks like.

```
.text, #text, p{  
    color:rgb(144, 63, 162)  
}
```

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(144, 63, 162) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(144, 63, 162) }
```

Border

The CSS property to change the border of an element to Yxy 12.0929, 0.2939, 0.1795 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(144, 63, 162) }
```

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

```
.border{ border-color:rgb(144, 63, 162) }
```

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

Here you see how a box with a 4 pixel `rgb(144, 63, 162)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(144, 63, 162); -webkit-box-  
shadow:4px 4px 4px 4px rgb(144, 63, 162);  
box-shadow:4px 4px 4px 4px rgb(144, 63,  
162) }
```


Background

The CSS property to change the background color of an element to Yxy 12.0929, 0.2939, 0.1795 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(144, 63, 162) }
```

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

```
.background{ background-color: rgb(144, 63,  
162) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor