

Converting Colors

$Y_{xy}(12.3009, 0.2956, 0.2072)$

Have a look what the booklet for
Yxy(12.3009, 0.2956, 0.2072)
contains.

Yxy(12.2125, 0.2951, 0.2066)	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(12.2125, 0.2951, 0.2066)

Conversions

Conversions Part 1

Format	Color
Hex	844C94
RGB	132, 76, 148
RGB Percent	52%, 30%, 58%
CMY	0.4824, 0.7019, 0.4196
CMYK	0.11, 0.49, 0.00, 0.42
HSL	287°, 32%, 44%
HSV	287°, 49%, 58%
XYZ	17.4439, 12.2125, 29.4554
YIQ	100.9520, 10.2640, 34.2640

Conversions

Conversions Part 2

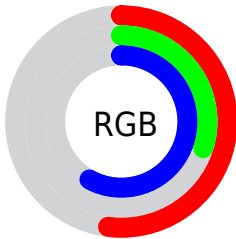
Format	Color
R_{YB}	132, 76, 148
Decimal	8670356
CIE _{Lab}	41.55, 36.08, -30.12
CIE _{LCh}	42, 46.998, 320.139
Yxy	12.2125, 0.2951, 0.2066
Android (android.graphics.Color)	4286860436 (0xFF844C94)
YUV	100.9520, 23.1947, 27.2291
Hunter-Lab	34.9464, 27.9442, -25.5116

Details

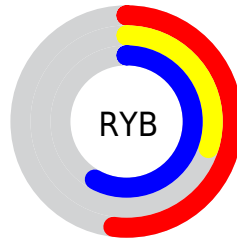
The Yxy color **12.2125, 0.2951, 0.2066** is a dark color, and the websafe version is hex **996699**. A complement of this color would be **23.9790, 0.3205, 0.4711**, and the grayscale version is **12.9385, 0.3127, 0.3290**.

A 20% lighter version of the original color is **30.0078, 0.3018, 0.2337**, and **3.3990, 0.2809, 0.1624** is the 20% darker color. If you saturate the color by 10%, you get **10.1414, 0.2899, 0.1834**, and if you desaturate by 10%, it is **14.7621, 0.2998, 0.2316**.

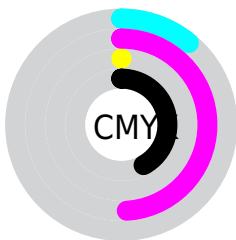
Distribution



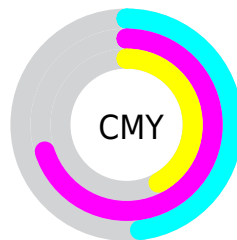
- Red (52%)
- Green (30%)
- Blue (58%)



- Red (52%)
- Yellow (30%)
- Blue (58%)



- Cyan (11%)
- Magenta (49%)
- Yellow (0%)
- Black (42%)





- Cyan (48%)
- Magenta (70%)
- Yellow (42%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 12.2125, 0.2951, 0.2066 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 12.2125, 0.2951, 0.2066 by changing the saturation by 10% instead.


 12.2125, 0.2951,
0.2066

 12.2125, 0.2951,
0.2066


205.8071, 0.3077,
0.2744


 6.8886, 0.2900,
0.1876


 29.8815, 0.3009,
0.2328


 3.3925, 0.2820,
0.1622

 42.9954, 0.3027,
0.2422


 1.3399, 0.2681,
0.1273

 59.4748, 0.3041,
0.2499

 0.1718, 0.2508,
0.0406

 79.7040, 0.3051,
0.2564

 0.0000, 0.0000,
0.0000

 104.0674, 0.3060,
0.2619

132.9495, 0.3067,

0.2666

166.7346, 0.3072,
0.2708

■ 12.2125, 0.2951,
0.2066

■ 12.2125, 0.2951,
0.2066

■ 10.1414, 0.2899,
0.1834

■ 14.7621, 0.2998,
0.2316

■ 8.5147, 0.2843,
0.1630

■ 17.8184, 0.3040,
0.2575

■ 7.2959, 0.2785,
0.1463

■ 21.4090, 0.3075,
0.2833

■ 6.4423, 0.2727,
0.1338

■ 25.5591, 0.3105,
0.3083

■ 5.8624, 0.2669,
0.1251

■ 30.2924, 0.3130,
0.3322

■ 5.7883, 0.2661,
0.1240

■ 35.6310, 0.3150,
0.3545

■ 41.5961, 0.3166,
0.3751

■ 48.2076, 0.3178,
0.3939

■ 55.4848, 0.3188,
0.4111

Harmonies

Analogous

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



12.2125, 0.2115, 0.1841



12.2125, 0.2951, 0.2066



12.2125, 0.4007, 0.2523

Triad

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



12.2125, 0.2951, 0.2066



12.2125, 0.4731, 0.4522



12.2125, 0.1629, 0.3085

Complementary

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



12.2125, 0.2951, 0.2066



23.9790, 0.3205, 0.4711

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.



12.2125, 0.2170, 0.4244



12.2125, 0.2951, 0.2066



12.2125, 0.3955, 0.5095

Square

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



12.2125, 0.2951, 0.2066



12.2125, 0.5114, 0.3815



12.2125, 0.3025, 0.5100



12.2125, 0.1463, 0.2270

Rectangle

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



12.2125, 0.2951, 0.2066



12.2125, 0.4634, 0.2919



12.2125, 0.3025, 0.5100



12.2125, 0.1767, 0.3453

Sweetspot

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



12.2130, 0.2951, 0.2066



40.1098, 0.3086, 0.2918



11.4702, 0.2294, 0.2153



8.8477, 0.3080, 0.2869



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.



12.2130, 0.2951, 0.2066



17.7269, 0.2896, 0.1822



13.0462, 0.3470, 0.2415



5.8448, 0.3104, 0.3069



4.9563, 0.2665, 0.1242



0.0735, 0.2941, 0.1394

Inverse Universe

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



12.2396, 0.4123, 0.3016



17.9138, 0.4476, 0.2971



23.5473, 0.2909, 0.4378



5.8353, 0.3249, 0.3241



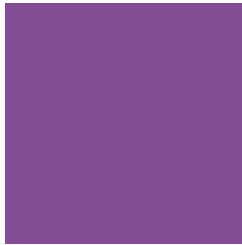
5.4747, 0.5959, 0.3056



0.0708, 0.4962, 0.2507

Previews

White Background



This preview shows how the Yxy color 12.2125, 0.2951, 0.2066 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 12.2125, 0.2951, 0.2066 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

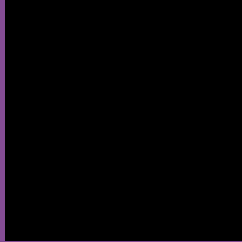
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 12.2125, 0.2951, 0.2066

Background



This preview shows how black text looks on a background with the Yxy color 12.2125, 0.2951, 0.2066.



This preview shows how white text looks on a background with the Yxy color 12.2125, 0.2951, 0.2066.

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

12.2125, 0.2951, 0.2066

Protanopia

12.3841, 0.2124, 0.1945

Deuteranopia

12.4112, 0.2375, 0.2335



Tritanopia

12.2561, 0.3608, 0.3170

Trichromacy



Original Color

12.2125, 0.2951, 0.2066

Protanomaly

11.9233, 0.2354, 0.1970

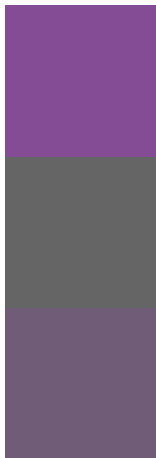
Deuteranomaly

11.9533, 0.2550, 0.2208

Tritanomaly

12.0676, 0.3363, 0.2713

Monochromacy



Original Color

12.2125, 0.2951, 0.2066

Achromatopsia

13.0136, 0.3127, 0.3290

Achromatomaly

12.4070, 0.3062, 0.2757

CSS Examples

Text

The CSS property to change the color of the text to Yxy 12.2125, 0.2951, 0.2066 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(132, 76, 148)` looks like.

```
.text, #text, p{  
  color:rgb(132, 76, 148)  
}
```

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(132, 76, 148) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(132, 76, 148) }
```

Border

The CSS property to change the border of an element to Yxy 12.2125, 0.2951, 0.2066 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(132, 76, 148) }
```

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

```
.border{ border-color:rgb(132, 76, 148) }
```

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

Here you see how a box with a 4 pixel rgb(132, 76, 148) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(132, 76, 148); -webkit-box-  
shadow:4px 4px 4px 4px rgb(132, 76, 148);  
box-shadow:4px 4px 4px 4px rgb(132, 76,  
148) }
```


Background

The CSS property to change the background color of an element to Yxy 12.2125, 0.2951, 0.2066 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(132, 76, 148) }
```

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

```
.background{ background-color: rgb(132, 76,  
148) }
```

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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