

Converting Colors

$Y_{xy}(12.0932, 0.2712, 0.1596)$

Have a look what the booklet for
Yxy(12.0932, 0.2712, 0.1596)
contains.

Yxy(12.1088, 0.2711, 0.1591)	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(12.1088, 0.2711, 0.1591)

Conversions

Conversions Part 1

Format	Color
Hex	8D3CB2
RGB	141, 60, 178
RGB Percent	55%, 24%, 70%
CMY	0.4471, 0.7646, 0.3020
CMYK	0.21, 0.66, 0.00, 0.30
HSL	281°, 50%, 47%
HSV	281°, 66%, 70%
XYZ	20.6329, 12.1088, 43.3664
YIQ	97.6710, 10.3980, 53.8700

Conversions

Conversions Part 2

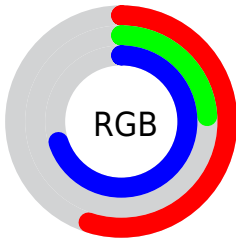
Format	Color
R_{YB}	141, 60, 178
Decimal	9256114
CIE Lab	41.39, 53.14, -48.20
CIE LCh	41, 71.743, 317.786
Yxy	12.1088, 0.2711, 0.1591
Android (android.graphics.Color)	4287446194 (0xFF8D3CB2)
YUV	97.6710, 39.6022, 37.9995
Hunter-Lab	34.7977, 44.9436, -49.5314

Details

The Yxy color **12.1088, 0.2711, 0.1591** is a dark color, and the websafe version is hex **663399**. A complement of this color would be **34.7089, 0.3273, 0.5242**, and the grayscale version is **12.0282, 0.3127, 0.3290**.

A 20% lighter version of the original color is **29.7565, 0.2840, 0.1919**, and **3.4337, 0.2472, 0.1135** is the 20% darker color. If you saturate the color by 10%, you get **10.0697, 0.2627, 0.1397**, and if you desaturate by 10%, it is **14.8007, 0.2793, 0.1821**.

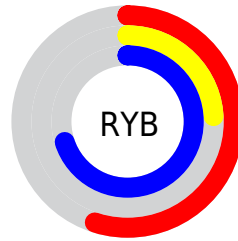
Distribution



Red (55%)

Green (24%)

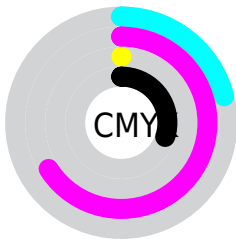
Blue (70%)



Red (55%)

Yellow (24%)

Blue (70%)

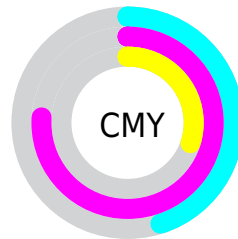


Cyan (21%)

Magenta (66%)

Yellow (0%)

Black (30%)



Cyan (45%)


Magenta (76%)


Yellow (30%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 12.1088, 0.2711, 0.1591 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 12.1088, 0.2711, 0.1591 by changing the saturation by 10% instead.


 12.1088, 0.2711,
0.1591


 12.1088, 0.2711,
0.1591


205.1242, 0.2992,
0.2473


 6.8178, 0.2613,
0.1374


 29.6931, 0.2833,
0.1913


 3.3484, 0.2470,
0.1105


 42.7552, 0.2872,
0.2034


 1.3162, 0.2250,
0.0776

 59.1765, 0.2904,
0.2136

 0.1537, 0.1935,
0.0186

 79.3414, 0.2928,
0.2224

 0.0000, 0.1126,
0.0000

 103.6342, 0.2949,
0.2299

 0.0000, 0.0000,
0.0000

132.4393, 0.2965,

0.2365

166.1412, 0.2980,
0.2422

■ 12.1088, 0.2711,
0.1591

■ 12.1088, 0.2711,
0.1591

■ 10.0697, 0.2627,
0.1397

■ 14.8007, 0.2793,
0.1821

■ 8.6158, 0.2542,
0.1248

■ 18.2011, 0.2870,
0.2076

■ 7.6598, 0.2461,
0.1146

■ 22.3611, 0.2940,
0.2345

■ 7.3623, 0.2432,
0.1113

■ 27.3268, 0.3003,
0.2617

■ 33.1403, 0.3056,
0.2884

■ 39.8411, 0.3102,
0.3138

■ 47.4658, 0.3141,
0.3377

■ 56.0491, 0.3172,
0.3597

■ 65.6240, 0.3198,
0.3799

Harmonies

Analogous

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



12.1088, 0.1638, 0.1336



12.1088, 0.2711, 0.1591



12.1088, 0.4294, 0.2137

Triad

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



12.1088, 0.2711, 0.1591



12.1088, 0.5301, 0.4665



12.1088, 0.1078, 0.2990

Complementary

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



12.1088, 0.2711, 0.1591



34.7089, 0.3273, 0.5242

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.



12.1088, 0.1739, 0.4974



12.1088, 0.2711, 0.1591



12.1088, 0.4142, 0.5757

Square

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



12.1088, 0.2711, 0.1591



12.1088, 0.5940, 0.3664



12.1088, 0.2863, 0.6223



12.1088, 0.0910, 0.1835

Rectangle

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



12.1088, 0.2711, 0.1591



12.1088, 0.5300, 0.2613



12.1088, 0.2863, 0.6223



12.1088, 0.1235, 0.3589

Sweetspot

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



12.1093, 0.2711, 0.1591



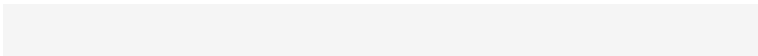
55.6219, 0.3035, 0.2776



12.7957, 0.2006, 0.1806



11.6783, 0.3020, 0.2702



91.1408, 0.3127, 0.3290



17.8868, 0.3127, 0.3290

Same Dimension

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



12.1093, 0.2711, 0.1591



16.7911, 0.2583, 0.1315



15.1114, 0.3501, 0.2034



8.5104, 0.3089, 0.3062



5.3027, 0.2440, 0.1118



0.1962, 0.2663, 0.1241

Inverse Universe

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



13.5625, 0.4567, 0.2798



20.1633, 0.5099, 0.2792



33.4041, 0.2921, 0.5058



8.5477, 0.3239, 0.3219



6.9858, 0.5677, 0.2901



0.2306, 0.4874, 0.2459

Previews

White Background



This preview shows how the Yxy color 12.1088, 0.2711, 0.1591 looks on a white background.

Color Contrast Check

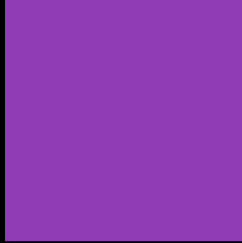
Large Text (above 18pt) WCAG AA ✓ Pass

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 12.1088, 0.2711, 0.1591 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

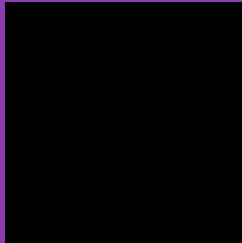
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 12.1088, 0.2711, 0.1591

Background



This preview shows how black text looks on a background with the Yxy color 12.1088, 0.2711, 0.1591.



This preview shows how white text looks on a background with the Yxy color 12.1088, 0.2711, 0.1591.

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

12.1088, 0.2711, 0.1591

Protanopia

12.4015, 0.1744, 0.1478

Deuteranopia

12.2953, 0.1941, 0.1886



Tritanopia

12.1959, 0.3717, 0.3173

Trichromacy



Original Color

12.1088, 0.2711, 0.1591



Protanomaly

10.5886, 0.1835, 0.1387



Deuteranomaly

11.0895, 0.2088, 0.1670



Tritanomaly

11.7495, 0.3312, 0.2437

Monochromacy



Original Color

12.1088, 0.2711, 0.1591



Achromatopsia

12.2139, 0.3127, 0.3290



Achromatomaly

11.4504, 0.2970, 0.2439

CSS Examples

Text

The CSS property to change the color of the text to Yxy 12.1088, 0.2711, 0.1591 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, 60, 178)` looks like.

```
.text, #text, p{  
    color:rgb(141, 60, 178)  
}
```

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, 60, 178) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(141, 60, 178) }
```

Border

The CSS property to change the border of an element to Yxy 12.1088, 0.2711, 0.1591 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, 60, 178) }
```

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

```
.border{ border-color:rgb(141, 60, 178) }
```

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

Here you see how a box with a 4 pixel rgb(141, 60, 178) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(141, 60, 178); -webkit-box-  
shadow:4px 4px 4px 4px rgb(141, 60, 178);  
box-shadow:4px 4px 4px 4px rgb(141, 60,  
178) }
```


Background

The CSS property to change the background color of an element to Yxy 12.1088, 0.2711, 0.1591 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(141, 60, 178) }
```

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

```
.background{ background-color: rgb(141, 60,  
178) }
```

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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