

Converting Colors

$Y_{xy}(12.7327, 0.2377, 0.1388)$

Have a look what the booklet for
Yxy(12.7327, 0.2377, 0.1388)
contains.

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Color

Yxy(12.7564, 0.2381, 0.1390)

Conversions

Conversions Part 1

Format	Color
Hex	8340CA
RGB	131, 64, 202
RGB Percent	51%, 25%, 79%
CMY	0.4863, 0.7490, 0.2080
CMYK	0.35, 0.68, 0.00, 0.21
HSL	269°, 57%, 52%
HSV	269°, 68%, 79%
XYZ	21.8511, 12.7564, 57.1652
YIQ	99.7650, -4.3660, 57.1220

Conversions

Conversions Part 2

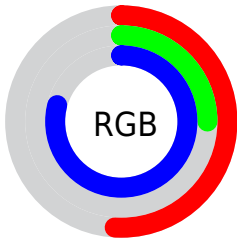
Format	Color
R_{YB}	131, 64, 202
Decimal	8601802
CIE _{Lab}	42.39, 54.60, -60.67
CIE _{LCh}	42, 81.620, 311.989
Yxy	12.7564, 0.2381, 0.1390
Android (android.graphics.Color)	4286791882 (0xFF8340CA)
YUV	99.7650, 50.4019, 27.3931
Hunter-Lab	35.7161, 46.7029, -69.8950

Details

The Yxy color **12.7564, 0.2381, 0.1390** is a dark color, and the websafe version is hex **9933CC**. The color can be described as middle muted purple. A complement of this color would be **47.7433, 0.3475, 0.5181**, and the grayscale version is **12.5533, 0.3127, 0.3290**.

A 20% lighter version of the original color is **30.5296, 0.2604, 0.1755**, and **3.6276, 0.2050, 0.0915** is the 20% darker color. If you saturate the color by 10%, you get **10.0878, 0.2247, 0.1170**, and if you desaturate by 10%, it is **16.3335, 0.2517, 0.1651**.

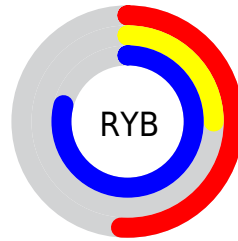
Distribution



Red (51%)

Green (25%)

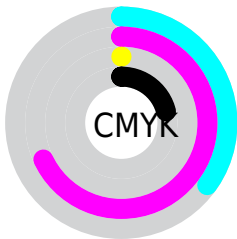
Blue (79%)



Red (51%)

Yellow (25%)

Blue (79%)

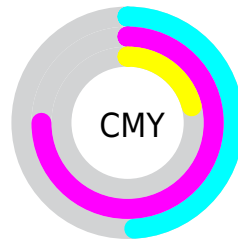


Cyan (35%)

Magenta (68%)

Yellow (0%)

Black (21%)



Cyan (49%)

Magenta (75%)

Yellow (21%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 12.7564, 0.2381, 0.1390 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 12.7564, 0.2381, 0.1390 by changing the saturation by 10% instead.


 12.7564, 0.2381,
0.1390


 12.7564, 0.2381,
0.1390


209.3505, 0.2842,
0.2338


 7.2610, 0.2241,
0.1174


 30.8654, 0.2568,
0.1724


 3.6259, 0.2051,
0.0917


 44.2479, 0.2633,
0.1853


 1.4666, 0.1786,
0.0621

 61.0282, 0.2685,
0.1964

 0.2650, 0.1424,
0.0207

 81.5906, 0.2728,
0.2060

 0.0000, 0.0845,
0.0000

 106.3197, 0.2763,
0.2143

 0.0000, 0.0000,
0.0000

135.5998, 0.2793,

0.2216

169.8153, 0.2819,
0.2281

■ 12.7564, 0.2381,
0.1390

■ 12.7564, 0.2381,
0.1390

■ 10.0878, 0.2247,
0.1170

■ 16.3335, 0.2517,
0.1651

■ 8.2301, 0.2121,
0.1001

■ 20.9000, 0.2648,
0.1938

■ 7.0372, 0.2008,
0.0887

■ 26.5292, 0.2771,
0.2236

■ 6.8636, 0.1990,
0.0870

■ 33.2867, 0.2882,
0.2532

■ 41.2328, 0.2981,
0.2817

■ 50.4234, 0.3066,
0.3084

■ 60.9107, 0.3139,
0.3330

■ 72.7440, 0.3200,
0.3554

■ 85.9699, 0.3252,
0.3755

Harmonies

Analogous

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



12.7564, 0.1371, 0.1186



12.7564, 0.2381, 0.1390



12.7564, 0.4048, 0.1902

Triad

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



12.7564, 0.2381, 0.1390



12.7564, 0.5587, 0.4413



12.7564, 0.0995, 0.3290

Complementary

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



12.7564, 0.2381, 0.1390



47.7433, 0.3475, 0.5181

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.



12.7564, 0.1774, 0.5642



12.7564, 0.2381, 0.1390



12.7564, 0.4354, 0.5646

Square

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



12.7564, 0.2381, 0.1390



12.7564, 0.6219, 0.3423



12.7564, 0.2994, 0.6560



12.7564, 0.0768, 0.1848

Rectangle

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



12.7564, 0.2381, 0.1390



12.7564, 0.5246, 0.2378



12.7564, 0.2994, 0.6560



12.7564, 0.1185, 0.4037

Sweetspot

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



12.7568, 0.2381, 0.1390



67.0254, 0.2962, 0.2762



22.7617, 0.2078, 0.2202



13.5053, 0.2935, 0.2682



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

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



12.7568, 0.2381, 0.1390



15.4103, 0.2185, 0.1082



20.1643, 0.3171, 0.1765



11.1069, 0.3057, 0.3056



4.4710, 0.2003, 0.0877



0.2758, 0.2221, 0.0997

Inverse Universe

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



17.9686, 0.4169, 0.2452



25.5212, 0.4518, 0.2402



43.7638, 0.3035, 0.5464



11.3084, 0.3211, 0.3171



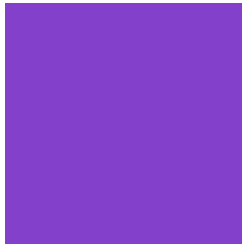
8.7400, 0.4882, 0.2463



0.4662, 0.4468, 0.2235

Previews

White Background



This preview shows how the Yxy color 12.7564, 0.2381, 0.1390 looks on a white background.

Color Contrast Check

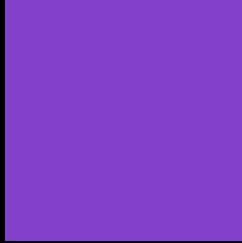
Large Text (above 18pt) WCAG AA ✓ Pass

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 12.7564, 0.2381, 0.1390 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

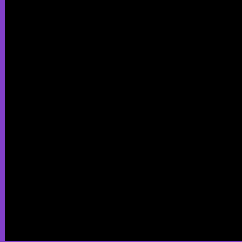
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 12.7564, 0.2381, 0.1390

Background



This preview shows how black text looks on a background with the Yxy color 12.7564, 0.2381, 0.1390.



This preview shows how white text looks on a background with the Yxy color 12.7564, 0.2381, 0.1390.

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

12.7564, 0.2381, 0.1390

Protanopia

12.9572, 0.1744, 0.1477

Deuteranopia

12.7574, 0.1839, 0.1820



Tritanopia

12.7245, 0.3256, 0.3142

Trichromacy



Original Color

12.7564, 0.2381, 0.1390



Protanomaly

11.4850, 0.1800, 0.1345



Deuteranomaly

11.1957, 0.1865, 0.1527



Tritanomaly

12.0563, 0.2871, 0.2262

Monochromacy



Original Color

12.7564, 0.2381, 0.1390



Achromatopsia

12.7438, 0.3127, 0.3290



Achromatomaly

12.0020, 0.2801, 0.2321

CSS Examples

Text

The CSS property to change the color of the text to Yxy 12.7564, 0.2381, 0.1390 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(131, 64, 202)` looks like.

```
.text, #text, p{  
    color:rgb(131, 64, 202)  
}
```

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(131, 64, 202) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(131, 64, 202) }
```

Border

The CSS property to change the border of an element to Yxy 12.7564, 0.2381, 0.1390 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(131, 64, 202) }
```

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

```
.border{ border-color:rgb(131, 64, 202) }
```

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

Here you see how a box with a 4 pixel `rgb(131, 64, 202)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(131, 64, 202); -webkit-box-  
shadow:4px 4px 4px 4px rgb(131, 64, 202);  
box-shadow:4px 4px 4px 4px rgb(131, 64,  
202) }
```


Background

The CSS property to change the background color of an element to Yxy 12.7564, 0.2381, 0.1390 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(131, 64, 202) }
```

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

```
.background{ background-color: rgb(131, 64,  
202) }
```

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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