

Converting Colors

$Y_{xy}(10.5616, 0.2298, 0.1091)$

Have a look what the booklet for
Yxy(10.5616, 0.2298, 0.1091)
contains.

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Color

Yxy(10.5257, 0.2297, 0.1091)

Conversions

Conversions Part 1

Format	Color
Hex	8618D5
RGB	134, 24, 213
RGB Percent	53%, 9%, 84%
CMY	0.4746, 0.9055, 0.1648
CMYK	0.37, 0.89, 0.00, 0.16
HSL	275°, 80%, 46%
HSV	275°, 89%, 84%
XYZ	22.1609, 10.5257, 63.7910
YIQ	78.4360, 4.8910, 82.0990

Conversions

Conversions Part 2

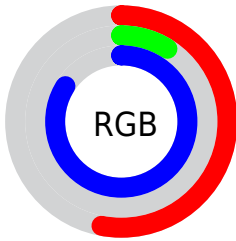
Format	Color
RYB	134, 24, 213
Decimal	8788181
CIELab	38.77, 71.66, -72.92
CIElCh	39, 102.241, 314.502
Yxy	10.5257, 0.2297, 0.1091
Android (android.graphics.Color)	4286978261 (0xFF8618D5)
YUV	78.4360, 66.3401, 48.7296
Hunter-Lab	32.4433, 65.1512, -93.8672

Details

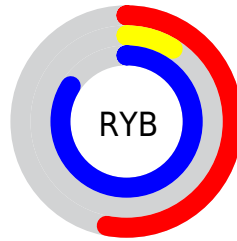
The Yxy color **10.5257, 0.2297, 0.1091** is a dark color, and the websafe version is hex **9900CC**. The color can be described as dark washed purple. A complement of this color would be **50.5271, 0.3315, 0.5668**, and the grayscale version is **7.5872, 0.3127, 0.3290**.

A 20% lighter version of the original color is **25.6688, 0.2627, 0.1540**, and **3.8508, 0.1969, 0.0858** is the 20% darker color. If you saturate the color by 10%, you get **9.2281, 0.2196, 0.0988**, and if you desaturate by 10%, it is **12.5390, 0.2406, 0.1243**.

Distribution



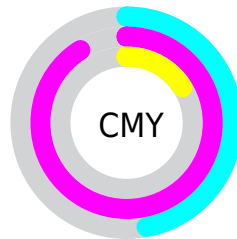
- Red (53%)
- Green (9%)
- Blue (84%)



- Red (53%)
- Yellow (9%)
- Blue (84%)



- Cyan (37%)
- Magenta (89%)
- Yellow (0%)
- Black (16%)





- Cyan (47%)
- Magenta (91%)
- Yellow (16%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 10.5257, 0.2297, 0.1091 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 10.5257, 0.2297, 0.1091 by changing the saturation by 10% instead.


 10.5257, 0.2297,
0.1091


 10.5257, 0.2297,
0.1091


194.3840, 0.2822,
0.2143


 5.7489, 0.2139,
0.0873


 26.7797, 0.2511,
0.1446


 2.6930, 0.1928,
0.0628


 39.0257, 0.2585,
0.1589


 0.9736, 0.1640,
0.0370

 54.5302, 0.2644,
0.1713

 0.0000, 0.1269,
0.0000

 73.6775, 0.2693,
0.1822

 0.0000, 0.0724,
0.0000

 96.8522, 0.2734,
0.1917

 0.0000, 0.0000,
0.0000

 124.4386, 0.2768,

0.2001

156.8211, 0.2797,
0.2076

■ 10.5257, 0.2297,
0.1091

■ 10.5257, 0.2297,
0.1091

■ 9.2281, 0.2196,
0.0988

■ 12.5390, 0.2406,
0.1243

■ 9.0789, 0.2183,
0.0976

■ 15.4362, 0.2518,
0.1445

■ 19.3270, 0.2631,
0.1688

■ 24.3046, 0.2739,
0.1958

■ 30.4510, 0.2839,
0.2243

■ 37.8403, 0.2929,
0.2530

■ 46.5401, 0.3008,
0.2809

■ 56.6131, 0.3076,
0.3075

■ 68.1180, 0.3134,
0.3321

Harmonies

Analogous

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



10.5257, 0.1111, 0.0858



10.5257, 0.2297, 0.1091



10.5257, 0.4481, 0.1656

Triad

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



10.5257, 0.2297, 0.1091



10.5257, 0.5690, 0.4310



10.5257, 0.0544, 0.2922

Complementary

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



10.5257, 0.2297, 0.1091



50.5271, 0.3315, 0.5668

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.



10.5257, 0.1191, 0.6334



10.5257, 0.2297, 0.1091



10.5257, 0.4025, 0.5975

Square

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



10.5257, 0.2297, 0.1091



10.5257, 0.6806, 0.3194



10.5257, 0.2430, 0.7570



10.5257, 0.0433, 0.1381

Rectangle

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



10.5257, 0.2297, 0.1091



10.5257, 0.6033, 0.2163



10.5257, 0.2430, 0.7570



10.5257, 0.0680, 0.3898

Sweetspot

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



10.5260, 0.2297, 0.1091



58.6024, 0.2941, 0.2570



15.2950, 0.1793, 0.1564



11.6562, 0.2912, 0.2471



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.



10.5260, 0.2297, 0.1091



13.5475, 0.2174, 0.0971



18.9864, 0.3361, 0.1669



12.3619, 0.3072, 0.3055



5.6090, 0.2197, 0.0984



0.3864, 0.2368, 0.1078

Inverse Universe

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



15.7801, 0.5010, 0.2617



22.3144, 0.5351, 0.2721



47.8982, 0.2984, 0.5836



12.5061, 0.3226, 0.3193



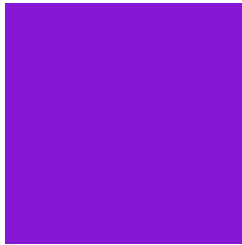
9.1020, 0.5289, 0.2687



0.5653, 0.4844, 0.2442

Previews

White Background



This preview shows how the Yxy color 10.5257, 0.2297, 0.1091 looks on a white background.

Color Contrast Check

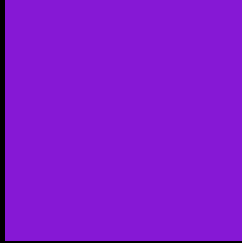
Large Text (above 18pt) WCAG AA ✓ Pass

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 10.5257, 0.2297, 0.1091 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

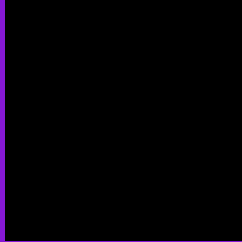
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 10.5257, 0.2297, 0.1091

Background



This preview shows how black text looks on a background with the Yxy color 10.5257, 0.2297, 0.1091.



This preview shows how white text looks on a background with the Yxy color 10.5257, 0.2297, 0.1091.

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

10.5257, 0.2297, 0.1091

Deuteranopia

10.7576, 0.1862, 0.1903

Tritanopia

10.5847, 0.3440, 0.3136

Trichromacy



Original Color

10.5257, 0.2297, 0.1091

Deuteranomaly

8.2045, 0.1818, 0.1282

Tritanomaly

9.2545, 0.2915, 0.1951

Monochromacy



Original Color

10.5257, 0.2297, 0.1091

Achromatopsia

7.6185, 0.3127, 0.3290

Achromatomaly

7.1551, 0.2700, 0.1861

CSS Examples

Text

The CSS property to change the color of the text to Yxy 10.5257, 0.2297, 0.1091 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(134, 24, 213)` looks like.

```
.text, #text, p{  
    color:rgb(134, 24, 213)  
}
```

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(134, 24, 213) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(134, 24, 213) }
```

Border

The CSS property to change the border of an element to Yxy 10.5257, 0.2297, 0.1091 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(134, 24, 213) }
```

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

```
.border{ border-color:rgb(134, 24, 213) }
```

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

Here you see how a box with a 4 pixel `rgb(134, 24, 213)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(134, 24, 213); -webkit-box-  
shadow:4px 4px 4px 4px rgb(134, 24, 213);  
box-shadow:4px 4px 4px 4px rgb(134, 24,  
213) }
```

Background

The CSS property to change the background color of an element to Yxy 10.5257, 0.2297, 0.1091 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(134, 24, 213) }
```

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

```
.background{ background-color: rgb(134, 24,  
213) }
```

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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