

Converting Colors

$Y_{xy}(8.4657, 0.2248, 0.0891)$

Have a look what the booklet for
Yxy(8.4657, 0.2248, 0.0891)
contains.

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Color

Yxy(10.0262, 0.2268, 0.1023)

Conversions

Conversions Part 1

Format	Color
Hex	8600D8
RGB	134, 0, 216
RGB Percent	53%, 0%, 85%
CMY	0.4746, 1.0000, 0.1528
CMYK	0.38, 1.00, 0.00, 0.15
HSL	277°, 100%, 42%
HSV	277°, 100%, 85%
XYZ	22.2282, 10.0262, 65.7534
YIQ	64.6900, 10.5280, 95.5840

Conversions

Conversions Part 2

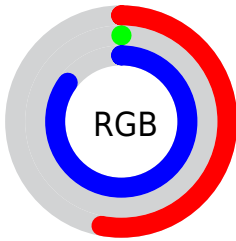
Format	Color
RYB	134, 0, 216
Decimal	8782040
CIELab	37.89, 75.77, -76.14
CIElCh	38, 107.416, 314.862
Yxy	10.0262, 0.2268, 0.1023
Android (android.graphics.Color)	4286972120 (0xFF8600D8)
YUV	64.6900, 74.5958, 60.7849
Hunter-Lab	31.6642, 69.8943, -100.9560

Details

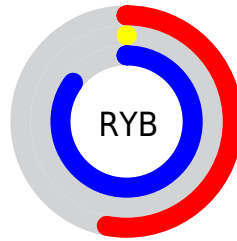
The Yxy color **10.0262, 0.2268, 0.1023** is a dark color, and the websafe version is hex **6600CC**. The color can be described as dark washed purple. A complement of this color would be **50.9260, 0.3212, 0.5832**, and the grayscale version is **5.1208, 0.3127, 0.3290**.

A 20% lighter version of the original color is **24.4267, 0.2622, 0.1484**, and **3.9158, 0.1940, 0.0843** is the 20% darker color. If you saturate the color by 10%, you get **10.0272, 0.2268, 0.1023**, and if you desaturate by 10%, it is **11.2865, 0.2362, 0.1117**.

Distribution



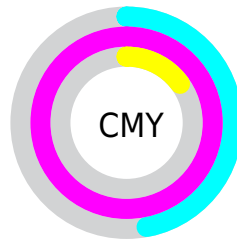
- Red (53%)
- Green (0%)
- Blue (85%)



- Red (53%)
- Yellow (0%)
- Blue (85%)



- Cyan (38%)
- Magenta (100%)
- Yellow (0%)
- Black (15%)





- Cyan (47%)
- Magenta (100%)
- Yellow (15%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 10.0262, 0.2268, 0.1023 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 10.0262, 0.2268, 0.1023 by changing the saturation by 10% instead.


 10.0262, 0.2268,
0.1023


 10.0262, 0.2268,
0.1023


190.8590, 0.2814,
0.2095


 5.4163, 0.2105,
0.0806


 25.8448, 0.2489,
0.1381


 2.4936, 0.1888,
0.0567


 37.8223, 0.2566,
0.1526


 0.8734, 0.1597,
0.0321


 53.0244, 0.2628,
0.1652

 0.0000, 0.1221,
0.0000

 71.8356, 0.2679,
0.1764

 0.0000, 0.0692,
0.0000

 94.6403, 0.2722,
0.1862

 0.0000, 0.0000,
0.0000

 121.8228, 0.2757,

0.1948

153.7676, 0.2788,
0.2026

■ 10.0262, 0.2268,
0.1023

■ 10.0262, 0.2268,
0.1023

■ 10.0272, 0.2268,
0.1023

■ 11.2865, 0.2362,
0.1117

■ 13.2245, 0.2461,
0.1256

■ 16.0491, 0.2564,
0.1444

■ 19.8762, 0.2667,
0.1675

■ 24.8040, 0.2766,
0.1935

■ 30.9184, 0.2857,
0.2213

■ 38.2966, 0.2940,
0.2497

■ 47.0092, 0.3012,
0.2775

■ 57.1214, 0.3074,
0.3041

Harmonies

Analogous

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



10.0262, 0.1050, 0.0789



10.0262, 0.2268, 0.1023



10.0262, 0.4581, 0.1593

Triad

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



10.0262, 0.2268, 0.1023



10.0262, 0.5723, 0.4277



10.0262, 0.0455, 0.2830

Complementary

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



10.0262, 0.2268, 0.1023



50.9260, 0.3212, 0.5832

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.



10.0262, 0.1053, 0.6529



10.0262, 0.2268, 0.1023



10.0262, 0.3942, 0.6058

Square

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



10.0262, 0.2268, 0.1023



10.0262, 0.6899, 0.3101



10.0262, 0.2253, 0.7747



10.0262, 0.0370, 0.1281

Rectangle

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



10.0262, 0.2268, 0.1023



10.0262, 0.6222, 0.2100



10.0262, 0.2253, 0.7747



10.0262, 0.0575, 0.3861

Sweetspot

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



10.0272, 0.2268, 0.1023



55.4203, 0.2938, 0.2489



11.1178, 0.1666, 0.1197



10.8392, 0.2904, 0.2368



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.



10.0272, 0.2268, 0.1023



14.5049, 0.2260, 0.1019



18.3586, 0.3531, 0.1719



12.3862, 0.3078, 0.3056



5.9965, 0.2282, 0.1031



0.4085, 0.2442, 0.1119

Inverse Universe

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



15.2143, 0.5486, 0.2796



22.1202, 0.5509, 0.2808



49.2011, 0.2979, 0.5923



12.4981, 0.3232, 0.3202



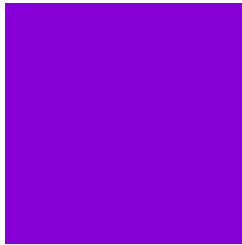
9.0214, 0.5446, 0.2774



0.5600, 0.4977, 0.2515

Previews

White Background



This preview shows how the Yxy color 10.0262, 0.2268, 0.1023 looks on a white background.

Color Contrast Check

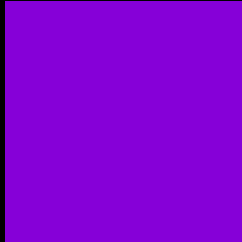
Large Text (above 18pt) WCAG AA ✓ Pass

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 10.0262, 0.2268, 0.1023 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 10.0262, 0.2268, 0.1023

Background



This preview shows how black text looks on a background with the Yxy color 10.0262, 0.2268, 0.1023.



This preview shows how white text looks on a background with the Yxy color 10.0262, 0.2268, 0.1023.

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

10.0262, 0.2268, 0.1023

Protanopia

10.4822, 0.1749, 0.1497

Deuteranopia

10.5086, 0.1864, 0.1909



Tritanopia

10.3472, 0.3443, 0.3135

Trichromacy



Original Color

10.0262, 0.2268, 0.1023



Protanomaly

7.4668, 0.1730, 0.1021



Deuteranomaly

7.1800, 0.1786, 0.1153



Tritanomaly

8.1753, 0.2896, 0.1795

Monochromacy



Original Color

10.0262, 0.2268, 0.1023



Achromatopsia

5.2861, 0.3127, 0.3290



Achromatomaly

5.1156, 0.2639, 0.1607

CSS Examples

Text

The CSS property to change the color of the text to Yxy 10.0262, 0.2268, 0.1023 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, 0, 216)` looks like.

```
.text, #text, p{  
    color:rgb(134, 0, 216)  
}
```

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, 0, 216) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(134, 0, 216) }
```

Border

The CSS property to change the border of an element to Yxy 10.0262, 0.2268, 0.1023 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, 0, 216) }
```

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

```
.border{ border-color:rgb(134, 0, 216) }
```

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

Here you see how a box with a 4 pixel rgb(134, 0, 216) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(134, 0, 216); -webkit-box-  
shadow:4px 4px 4px 4px rgb(134, 0, 216);  
box-shadow:4px 4px 4px 4px rgb(134, 0,  
216) }
```


Background

The CSS property to change the background color of an element to Yxy 10.0262, 0.2268, 0.1023 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(134, 0, 216) }
```

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

```
.background{ background-color: rgb(134, 0,  
216) }
```

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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