

Converting Colors

$Y_{xy}(10.2577, 0.2239, 0.1007)$

Have a look what the booklet for
Yxy(10.2577, 0.2239, 0.1007)
contains.

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Color

Yxy(10.2356, 0.2242, 0.1009)

Conversions

Conversions Part 1

Format	Color
Hex	8600DC
RGB	134, 0, 220
RGB Percent	53%, 0%, 86%
CMY	0.4746, 0.9994, 0.1374
CMYK	0.39, 1.00, 0.00, 0.14
HSL	277°, 100%, 43%
HSV	277°, 100%, 86%
XYZ	22.7435, 10.2356, 68.4639
YIQ	65.1460, 9.2440, 96.8280

Conversions

Conversions Part 2

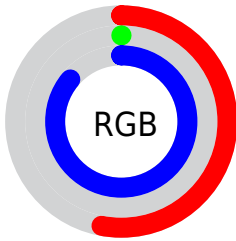
Format	Color
RYB	134, 0, 220
Decimal	8782044
CIELab	38.26, 76.53, -77.79
CIELCh	38, 109.120, 314.532
Yxy	10.2356, 0.2242, 0.1009
Android (android.graphics.Color)	4286972124 (0xFF8600DC)
YUV	65.1460, 76.3430, 60.3850
Hunter-Lab	31.9931, 70.9055, -104.4828

Details

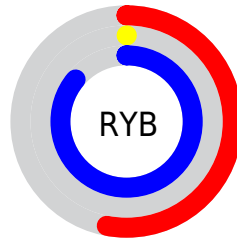
The Yxy color **10.2356, 0.2242, 0.1009** is a dark color, and the websafe version is hex **6600CC**. The color can be described as dark washed purple. A complement of this color would be **53.1550, 0.3224, 0.5822**, and the grayscale version is **5.2042, 0.3127, 0.3290**.

A 20% lighter version of the original color is **24.5742, 0.2622, 0.1490**, and **4.0221, 0.1924, 0.0834** is the 20% darker color. If you saturate the color by 10%, you get **10.2270, 0.2241, 0.1008**, and if you desaturate by 10%, it is **11.5483, 0.2338, 0.1104**.

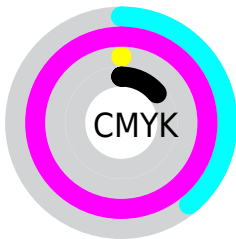
Distribution



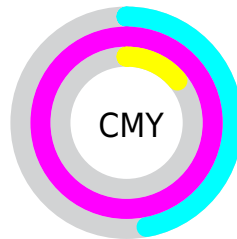
- Red (53%)
- Green (0%)
- Blue (86%)



- Red (53%)
- Yellow (0%)
- Blue (86%)



- Cyan (39%)
- Magenta (100%)
- Yellow (0%)
- Black (14%)





- Cyan (47%)
- Magenta (100%)
- Yellow (14%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 10.2356, 0.2242, 0.1009 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 10.2356, 0.2242, 0.1009 by changing the saturation by 10% instead.


 10.2356, 0.2242,
0.1009


 10.2356, 0.2242,
0.1009


192.3454, 0.2799,
0.2079


 5.5554, 0.2078,
0.0795


 26.2377, 0.2466,
0.1364


 2.5767, 0.1862,
0.0560


 38.3284, 0.2545,
0.1509


 0.9150, 0.1572,
0.0319

 53.6582, 0.2608,
0.1635

 0.0000, 0.1204,
0.0000

 72.6113, 0.2661,
0.1747

 0.0000, 0.0701,
0.0000

 95.5722, 0.2704,
0.1845

 0.0000, 0.0000,
0.0000

 122.9252, 0.2741,

0.1932

155.0548, 0.2772,
0.2010

■ 10.2356, 0.2242,
0.1009

■ 10.2356, 0.2242,
0.1009

■ 10.2270, 0.2241,
0.1008

■ 11.5483, 0.2338,
0.1104

■ 13.5763, 0.2440,
0.1244

■ 16.5326, 0.2546,
0.1435

■ 20.5388, 0.2652,
0.1668

■ 25.6972, 0.2754,
0.1931

■ 32.0978, 0.2848,
0.2211

■ 39.8214, 0.2933,
0.2496

■ 48.9418, 0.3008,
0.2776

■ 59.5272, 0.3073,
0.3042

Harmonies

Analogous

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



10.2356, 0.1032, 0.0779



10.2356, 0.2242, 0.1009



10.2356, 0.4560, 0.1575

Triad

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



10.2356, 0.2242, 0.1009



10.2356, 0.5747, 0.4253



10.2356, 0.0447, 0.2850

Complementary

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



10.2356, 0.2242, 0.1009



53.1550, 0.3224, 0.5822

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.



10.2356, 0.1046, 0.6603



10.2356, 0.2242, 0.1009



10.2356, 0.3955, 0.6045

Square

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



10.2356, 0.2242, 0.1009



10.2356, 0.6922, 0.3078



10.2356, 0.2245, 0.7755



10.2356, 0.0361, 0.1278

Rectangle

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



10.2356, 0.2242, 0.1009



10.2356, 0.6222, 0.2082



10.2356, 0.2245, 0.7755



10.2356, 0.0567, 0.3900

Sweetspot

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



10.2359, 0.2242, 0.1009



55.2795, 0.2931, 0.2487



12.1601, 0.1679, 0.1244



10.8056, 0.2896, 0.2366



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.



10.2359, 0.2242, 0.1009



14.2128, 0.2234, 0.1004



19.2907, 0.3481, 0.1692



13.0074, 0.3076, 0.3055



6.0703, 0.2255, 0.1016



0.4426, 0.2409, 0.1101

Inverse Universe

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



15.8884, 0.5440, 0.2771



22.1754, 0.5463, 0.2783



51.2286, 0.2983, 0.5939



13.1355, 0.3231, 0.3199



9.3452, 0.5403, 0.2750



0.6221, 0.4967, 0.2510

Previews

White Background



This preview shows how the Yxy color 10.2356, 0.2242, 0.1009 looks on a white background.

Color Contrast Check

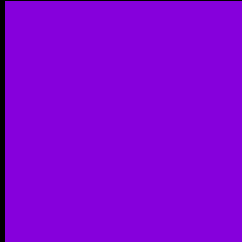
Large Text (above 18pt) WCAG AA ✓ Pass

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 10.2356, 0.2242, 0.1009 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

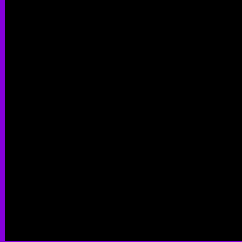
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 10.2356, 0.2242, 0.1009

Background



This preview shows how black text looks on a background with the Yxy color 10.2356, 0.2242, 0.1009.



This preview shows how white text looks on a background with the Yxy color 10.2356, 0.2242, 0.1009.

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

10.2356, 0.2242, 0.1009

Deuteranopia

10.7576, 0.1862, 0.1903

Tritanopia

10.6340, 0.3386, 0.3135

Trichromacy



Original Color

10.2356, 0.2242, 0.1009

Deuteranomaly

7.3679, 0.1783, 0.1154

Tritanomaly

8.3784, 0.2838, 0.1780

Monochromacy



Original Color

10.2356, 0.2242, 0.1009

Achromatopsia

5.2861, 0.3127, 0.3290

Achromatomaly

5.1400, 0.2625, 0.1594

CSS Examples

Text

The CSS property to change the color of the text to Yxy 10.2356, 0.2242, 0.1009 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, 220)` looks like.

```
.text, #text, p{  
    color:rgb(134, 0, 220)  
}
```

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, 220) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(134, 0, 220) }
```

Border

The CSS property to change the border of an element to Yxy 10.2356, 0.2242, 0.1009 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, 220) }
```

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

```
.border{ border-color:rgb(134, 0, 220) }
```

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, 220) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(134, 0, 220); -webkit-box-  
shadow:4px 4px 4px 4px rgb(134, 0, 220);  
box-shadow:4px 4px 4px 4px rgb(134, 0,  
220) }
```

Background

The CSS property to change the background color of an element to Yxy 10.2356, 0.2242, 0.1009 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, 220) }
```

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

```
.background{ background-color: rgb(134, 0,  
220) }
```

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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