

Converting Colors

$Y_{xy}(12.1601, 0.2070, 0.0914)$

Have a look what the booklet for
Yxy(12.1601, 0.2070, 0.0914)
contains.

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Color

Yxy(12.0966, 0.2068, 0.0913)

Conversions

Conversions Part 1

Format	Color
Hex	8600FC
RGB	134, 0, 252
RGB Percent	53%, 0%, 99%
CMY	0.4746, 0.9996, 0.0117
CMYK	0.47, 1.00, 0.00, 0.01
HSL	272°, 100%, 49%
HSV	272°, 100%, 99%
XYZ	27.3995, 12.0966, 92.9968
YIQ	68.7940, -1.0280, 106.7800

Conversions

Conversions Part 2

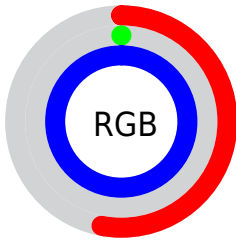
Format	Color
RYB	134, 0, 252
Decimal	8782076
CIELab	41.37, 83.02, -90.85
CIELCh	41, 123.063, 312.422
Yxy	12.0966, 0.2068, 0.0913
Android (android.graphics.Color)	4286972156 (0xFF8600FC)
YUV	68.7940, 90.3206, 57.1857
Hunter-Lab	34.7802, 79.7555, -134.1861

Details

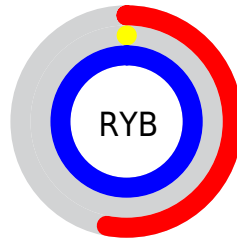
The Yxy color **12.0966, 0.2068, 0.0913** is a dark color, and the websafe version is hex **9900FF**. The color can be described as dark saturated purple. A complement of this color would be **73.4902, 0.3311, 0.5753**, and the grayscale version is **5.7748, 0.3127, 0.3290**.

A 20% lighter version of the original color is **25.4310, 0.2652, 0.1524**, and **5.0189, 0.1744, 0.0735** is the 20% darker color. If you saturate the color by 10%, you get **12.0914, 0.2068, 0.0913**, and if you desaturate by 10%, it is **13.8276, 0.2174, 0.1011**.

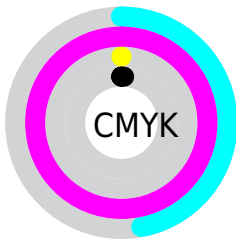
Distribution



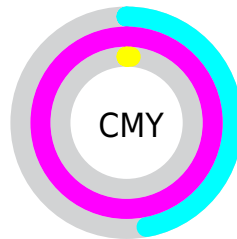
- Red (53%)
- Green (0%)
- Blue (99%)



- Red (53%)
- Yellow (0%)
- Blue (99%)



- Cyan (47%)
- Magenta (100%)
- Yellow (0%)
- Black (1%)



- Cyan (47%)
- Magenta (100%)
- Yellow (1%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 12.0966, 0.2068, 0.0913 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 12.0966, 0.2068, 0.0913 by changing the saturation by 10% instead.


 12.0966, 0.2068,
0.0913


 12.0966, 0.2068,
0.0913


205.0438, 0.2695,
0.1962


 6.8095, 0.1902,
0.0719


 29.6709, 0.2308,
0.1246


 3.3432, 0.1692,
0.0512


 42.7269, 0.2395,
0.1386


 1.3135, 0.1426,
0.0303


 59.1414, 0.2468,
0.1511

 0.1516, 0.1103,
0.0056

 79.2986, 0.2529,
0.1622

 0.0000, 0.0707,
0.0000

 103.5831, 0.2580,
0.1721

 0.0000, 0.0075,
0.0000

 132.3792, 0.2624,

 0.0000, 0.0000,

0.1810

0.0000

166.0713, 0.2662,
0.1889

■ 12.0966, 0.2068,
0.0913

■ 12.0966, 0.2068,
0.0913

■ 12.0914, 0.2068,
0.0913

■ 13.8276, 0.2174,
0.1011

■ 16.5800, 0.2292,
0.1160

■ 20.6348, 0.2417,
0.1363

■ 26.1648, 0.2543,
0.1610

■ 33.3149, 0.2667,
0.1888

■ 42.2124, 0.2782,
0.2182

■ 52.9714, 0.2887,
0.2478

■ 65.6960, 0.2979,
0.2766

■ 80.4827, 0.3059,
0.3038

Harmonies

Analogous

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



12.0966, 0.0913, 0.0708



12.0966, 0.2068, 0.0913



12.0966, 0.4427, 0.1453

Triad

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



12.0966, 0.2068, 0.0913



12.0966, 0.5913, 0.4087



12.0966, 0.0386, 0.2988

Complementary

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



12.0966, 0.2068, 0.0913



73.4902, 0.3311, 0.5753

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.



12.0966, 0.0984, 0.7128



12.0966, 0.2068, 0.0913



12.0966, 0.4036, 0.5964

Square

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



12.0966, 0.2068, 0.0913



12.0966, 0.7085, 0.2915



12.0966, 0.2179, 0.7821



12.0966, 0.0300, 0.1248

Rectangle

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



12.0966, 0.2068, 0.0913



12.0966, 0.6235, 0.1955



12.0966, 0.2179, 0.7821



12.0966, 0.0505, 0.4183

Sweetspot

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



12.0969, 0.2068, 0.0913



54.3441, 0.2886, 0.2477



20.9128, 0.1748, 0.1491



10.5835, 0.2843, 0.2352



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.



12.0969, 0.2068, 0.0913



12.4136, 0.2067, 0.0912



27.4657, 0.3252, 0.1565



17.0971, 0.3063, 0.3051



6.3864, 0.2084, 0.0922



0.6546, 0.2209, 0.0991

Inverse Universe

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



22.0111, 0.5135, 0.2602



22.6036, 0.5137, 0.2603



69.6390, 0.2998, 0.5993



17.3606, 0.3220, 0.3179



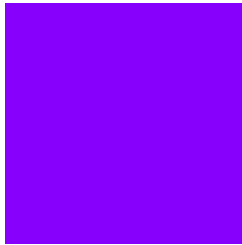
11.4920, 0.5096, 0.2581



1.0856, 0.4812, 0.2424

Previews

White Background



This preview shows how the Yxy color 12.0966, 0.2068, 0.0913 looks on a white background.

Color Contrast Check

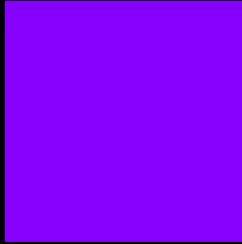
Large Text (above 18pt) WCAG AA ✓ Pass

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 12.0966, 0.2068, 0.0913 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

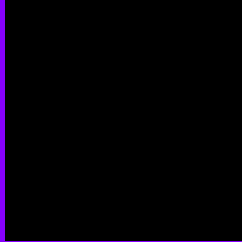
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 12.0966, 0.2068, 0.0913

Background



This preview shows how black text looks on a background with the Yxy color 12.0966, 0.2068, 0.0913.



This preview shows how white text looks on a background with the Yxy color 12.0966, 0.2068, 0.0913.

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

12.0966, 0.2068, 0.0913

Protanopia

12.3545, 0.1746, 0.1486

Tritanopia

12.3174, 0.3005, 0.3110

Trichromacy



Original Color

12.0966, 0.2068, 0.0913

Protanomaly

8.9992, 0.1692, 0.0972

Tritanomaly

9.2634, 0.2506, 0.1611

Monochromacy



Original Color

12.0966, 0.2068, 0.0913

Achromatopsia

5.9511, 0.3127, 0.3290

Achromatomaly

5.9061, 0.2485, 0.1489

CSS Examples

Text

The CSS property to change the color of the text to Yxy 12.0966, 0.2068, 0.0913 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, 252)` looks like.

```
.text, #text, p{  
  color:rgb(134, 0, 252)  
}
```

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, 252) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(134, 0, 252) }
```

Border

The CSS property to change the border of an element to Yxy 12.0966, 0.2068, 0.0913 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, 252) }
```

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

```
.border{ border-color:rgb(134, 0, 252) }
```

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, 252) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(134, 0, 252); -webkit-box-  
shadow:4px 4px 4px 4px rgb(134, 0, 252);  
box-shadow:4px 4px 4px 4px rgb(134, 0,  
252) }
```

Background

The CSS property to change the background color of an element to Yxy 12.0966, 0.2068, 0.0913 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, 252) }
```

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

```
.background{ background-color: rgb(134, 0,  
252) }
```

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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