

Converting Colors

$Y_{xy}(28.9240, 0.2357, 0.2051)$

Have a look what the booklet for
Yxy(28.9240, 0.2357, 0.2051)
contains.

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Color

Yxy(28.9585, 0.2357, 0.2056)

Conversions

Conversions Part 1

Format	Color
Hex	868AE6
RGB	134, 138, 230
RGB Percent	53%, 54%, 90%
CMY	0.4746, 0.4588, 0.0981
CMYK	0.42, 0.40, 0.00, 0.10
HSL	237°, 66%, 71%
HSV	237°, 42%, 90%
XYZ	33.1980, 28.9585, 78.6922
YIQ	147.2920, -31.9160, 27.7640

Conversions

Conversions Part 2

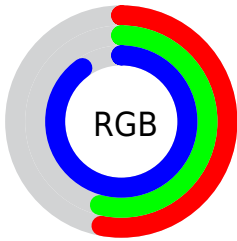
Format	Color
RYB	134, 138, 230
Decimal	8817382
CIELab	60.74, 21.33, -47.16
CIELCh	61, 51.760, 294.331
Yxy	28.9585, 0.2357, 0.2056
Android (android.graphics.Color)	4287007462 (0xFF868AE6)
YUV	147.2920, 40.7750, -11.6571
Hunter-Lab	53.8131, 15.9462, -49.0320

Details

The Yxy color **28.9585, 0.2357, 0.2056** is a light color, and the websafe version is hex **9999FF**. A complement of this color would be **72.9067, 0.3766, 0.4282**, and the grayscale version is **29.1419, 0.3127, 0.3290**.

A 20% lighter version of the original color is **55.5580, 0.2693, 0.2572**, and **11.6551, 0.2115, 0.1727** is the 20% darker color. If you saturate the color by 10%, you get **21.5770, 0.2145, 0.1709**, and if you desaturate by 10%, it is **38.0352, 0.2566, 0.2395**.

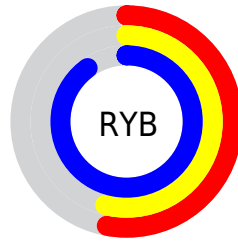
Distribution



Red (53%)

Green (54%)

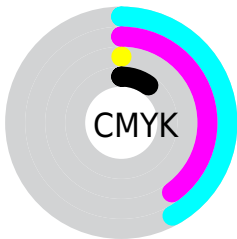
Blue (90%)



Red (53%)

Yellow (54%)

Blue (90%)

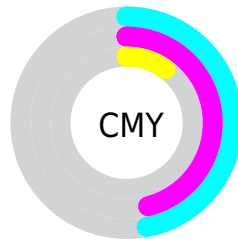


Cyan (42%)

Magenta (40%)

Yellow (0%)

Black (10%)



Cyan (47%)


Magenta (46%)

Yellow (10%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 28.9585, 0.2357, 0.2056 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 28.9585, 0.2357, 0.2056 by changing the saturation by 10% instead.


 28.9585, 0.2357,
0.2056


 28.9585, 0.2357,
0.2056


297.0191, 0.2763,
0.2663


 19.0494, 0.2253,
0.1912


 58.0111, 0.2508,
0.2272

 11.7060, 0.2118,
0.1734


 77.9235, 0.2563,
0.2354

 6.5438, 0.1941,
0.1510


 101.9391, 0.2610,
0.2425

 3.1785, 0.1700,
0.1224

130.4423, 0.2650,
0.2486

 1.2256, 0.1364,
0.0863

163.8175, 0.2684,
0.2539

 0.0825, 0.0899,
0.0124

202.4491, 0.2714,

 0.0000, 0.0000,

0.2585

0.0000

246.7215, 0.2740,
0.2626

■ 28.9585, 0.2357,
0.2056

■ 28.9585, 0.2357,
0.2056

■ 21.5770, 0.2145,
0.1709

■ 38.0352, 0.2566,
0.2395

■ 15.7826, 0.1943,
0.1375

■ 48.8998, 0.2763,
0.2711

■ 11.4597, 0.1766,
0.1078

■ 61.6422, 0.2942,
0.2996

■ 8.4758, 0.1629,
0.0844

■ 76.3453, 0.3101,
0.3249

■ 6.6743, 0.1543,
0.0688

■ 93.0869, 0.3241,
0.3470

■ 5.9223, 0.1506,
0.0620

■ 98.4924, 0.3274,
0.3532

Harmonies

Analogous

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



28.9585, 0.1879, 0.2072



28.9585, 0.2357, 0.2056



28.9585, 0.3109, 0.2284

Triad

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



28.9585, 0.2357, 0.2056



28.9585, 0.4786, 0.3875



28.9585, 0.2253, 0.3938

Complementary

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



28.9585, 0.2357, 0.2056



72.9067, 0.3766, 0.4282

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.



28.9585, 0.2964, 0.4688



28.9585, 0.2357, 0.2056



28.9585, 0.4437, 0.4458

Square

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



28.9585, 0.2357, 0.2056



28.9585, 0.4632, 0.3268



28.9585, 0.3762, 0.4834



28.9585, 0.1813, 0.3027

Rectangle

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



28.9585, 0.2357, 0.2056



28.9585, 0.3694, 0.2551



28.9585, 0.3762, 0.4834



28.9585, 0.2466, 0.4235

Sweetspot

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



28.9595, 0.2357, 0.2056



75.6316, 0.2919, 0.2960



67.0989, 0.2581, 0.3348



15.3936, 0.2880, 0.2899



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.



28.9595, 0.2357, 0.2056



28.5075, 0.2176, 0.1760



32.1245, 0.2696, 0.2114



13.9838, 0.2980, 0.3057



3.3974, 0.1508, 0.0627



0.2856, 0.1529, 0.0703

Inverse Universe

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



35.6998, 0.4159, 0.3246



38.2578, 0.4498, 0.3239



68.8440, 0.3423, 0.4444



14.3778, 0.3286, 0.3281



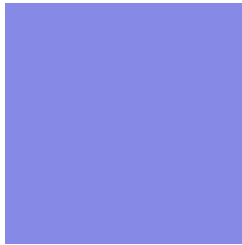
9.5407, 0.6355, 0.3274



0.7085, 0.6227, 0.3204

Previews

White Background



This preview shows how the Yxy color 28.9585, 0.2357, 0.2056 looks on a white background.

Color Contrast Check

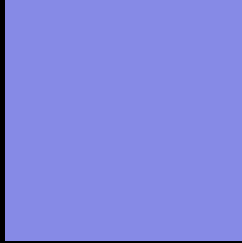
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✗ Fail

Large Text (above 18pt) WCAG AAA ✗ Fail

Any Text WCAG AAA ✗ Fail

Black Background



This preview shows how the Yxy color 28.9585, 0.2357, 0.2056 looks on a black 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

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

Yxy 28.9585, 0.2357, 0.2056

Background



This preview shows how black text looks on a background with the Yxy color 28.9585, 0.2357, 0.2056.



This preview shows how white text looks on a background with the Yxy color 28.9585, 0.2357, 0.2056.

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

28.9585, 0.2357, 0.2056

Protanopia

29.0226, 0.2195, 0.2030

Deuteranopia

29.0428, 0.2191, 0.2130



Tritanopia

28.9187, 0.2701, 0.3091

Trichromacy



Original Color

28.9585, 0.2357, 0.2056

Protanomaly

28.8549, 0.2247, 0.2037

Deuteranomaly

28.8795, 0.2242, 0.2095

Tritanomaly

28.7092, 0.2562, 0.2657

Monochromacy



Original Color

28.9585, 0.2357, 0.2056

Achromatopsia

29.1771, 0.3127, 0.3290

Achromatomaly

28.8716, 0.2806, 0.2788

CSS Examples

Text

The CSS property to change the color of the text to Yxy 28.9585, 0.2357, 0.2056 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, 138, 230)` looks like.

```
.text, #text, p{  
    color:rgb(134, 138, 230)  
}
```

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, 138, 230) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(134, 138, 230) }
```

Border

The CSS property to change the border of an element to Yxy 28.9585, 0.2357, 0.2056 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, 138, 230) }
```

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

```
.border{ border-color:rgb(134, 138, 230) }
```

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

Here you see how a box with a 4 pixel `rgb(134, 138, 230)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(134, 138, 230); -webkit-box-  
shadow:4px 4px 4px 4px rgb(134, 138, 230);  
box-shadow:4px 4px 4px 4px rgb(134, 138,  
230) }
```


Background

The CSS property to change the background color of an element to Yxy 28.9585, 0.2357, 0.2056 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(134, 138, 230) }
```

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

```
.background{ background-color: rgb(134,  
138, 230) }
```

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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