

Converting Colors

$Y_{xy}(28.0516, 0.2387, 0.1965)$

Have a look what the booklet for
Yxy(28.0516, 0.2387, 0.1965)
contains.

Yxy(28.1365, 0.2386, 0.1968)	3
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Color

Yxy(28.1365, 0.2386, 0.1968)

Conversions

Conversions Part 1

Format	Color
Hex	8E84E9
RGB	142, 132, 233
RGB Percent	56%, 52%, 91%
CMY	0.4432, 0.4823, 0.0863
CMYK	0.39, 0.43, 0.00, 0.09
HSL	246°, 70%, 72%
HSV	246°, 43%, 91%
XYZ	34.1126, 28.1365, 80.7209
YIQ	146.5040, -26.4610, 33.5310

Conversions

Conversions Part 2

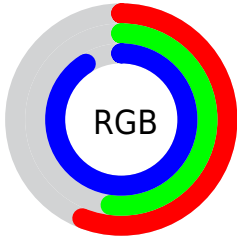
Format	Color
RYB	142, 132, 233
Decimal	9340137
CIELab	60.01, 27.69, -49.96
CIELCh	60, 57.117, 298.999
Yxy	28.1365, 0.2386, 0.1968
Android (android.graphics.Color)	4287530217 (0xFF8E84E9)
YUV	146.5040, 42.6425, -3.9500
Hunter-Lab	53.0438, 21.9671, -53.0954

Details

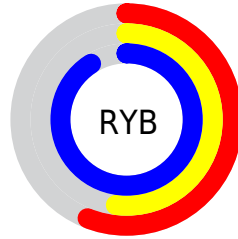
The Yxy color **28.1365, 0.2386, 0.1968** is a light color, and the websafe version is hex **9999FF**. A complement of this color would be **75.6320, 0.3696, 0.4386**, and the grayscale version is **28.7921, 0.3127, 0.3290**.

A 20% lighter version of the original color is **54.0600, 0.2743, 0.2515**, and **11.1873, 0.2145, 0.1622** is the 20% darker color. If you saturate the color by 10%, you get **20.8226, 0.2182, 0.1621**, and if you desaturate by 10%, it is **37.2132, 0.2585, 0.2313**.

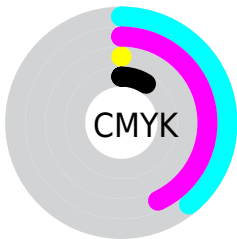
Distribution



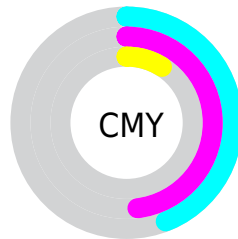
- Red (56%)
- Green (52%)
- Blue (91%)



- Red (56%)
- Yellow (52%)
- Blue (91%)



- Cyan (39%)
- Magenta (43%)
- Yellow (0%)
- Black (9%)





- Cyan (44%)
- Magenta (48%)
- Yellow (9%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 28.1365, 0.2386, 0.1968 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 28.1365, 0.2386, 0.1968 by changing the saturation by 10% instead.


 28.1365, 0.2386,
0.1968


 28.1365, 0.2386,
0.1968


293.1186, 0.2781,
0.2611

 18.4286, 0.2283,
0.1818


 56.7023, 0.2533,
0.2195

 11.2581, 0.2151,
0.1634


 76.3290, 0.2588,
0.2282

 6.2407, 0.1976,
0.1405


 100.0307, 0.2633,
0.2357

 2.9920, 0.1737,
0.1117

128.1918, 0.2672,
0.2422

 1.1276, 0.1404,
0.0762

161.1968, 0.2705,
0.2478

 0.0013, 0.0963,
0.0002

199.4300, 0.2734,

 0.0000, 0.0000,

0.2528

0.0000

243.2758, 0.2759,
0.2572

■ 28.1365, 0.2386,
0.1968

■ 28.1365, 0.2386,
0.1968

■ 20.8226, 0.2182,
0.1621

■ 37.2132, 0.2585,
0.2313

■ 15.1537, 0.1983,
0.1293

■ 48.1540, 0.2770,
0.2640

■ 11.0025, 0.1806,
0.1011

■ 61.0563, 0.2936,
0.2940

■ 8.2213, 0.1665,
0.0797

■ 76.0096, 0.3083,
0.3208

■ 6.6328, 0.1568,
0.0664

■ 93.0980, 0.3210,
0.3443

■ 6.0656, 0.1528,
0.0615

■ 98.6630, 0.3256,
0.3503

Harmonies

Analogous

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



28.1365, 0.1824, 0.1936



28.1365, 0.2386, 0.1968



28.1365, 0.3249, 0.2251

Triad

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



28.1365, 0.2386, 0.1968



28.1365, 0.4925, 0.4003



28.1365, 0.2059, 0.3847

Complementary

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



28.1365, 0.2386, 0.1968



75.6320, 0.3696, 0.4386

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.



28.1365, 0.2795, 0.4778



28.1365, 0.2386, 0.1968



28.1365, 0.4451, 0.4641

Square

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



28.1365, 0.2386, 0.1968



28.1365, 0.4867, 0.3345



28.1365, 0.3670, 0.5032



28.1365, 0.1647, 0.2846

Rectangle

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



28.1365, 0.2386, 0.1968



28.1365, 0.3904, 0.2557



28.1365, 0.3670, 0.5032



28.1365, 0.2274, 0.4201

Sweetspot

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



28.1375, 0.2386, 0.1968



75.4110, 0.2940, 0.2948



64.4133, 0.2523, 0.3184



15.3403, 0.2905, 0.2884



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.



28.1375, 0.2386, 0.1968



26.4309, 0.2204, 0.1658



33.4531, 0.2793, 0.2103



14.6202, 0.2995, 0.3047



3.4659, 0.1534, 0.0619



0.2963, 0.1614, 0.0663

Inverse Universe

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



39.1558, 0.3269, 0.2320



41.6816, 0.3304, 0.2143



68.9508, 0.3336, 0.4530



15.2866, 0.3153, 0.3080



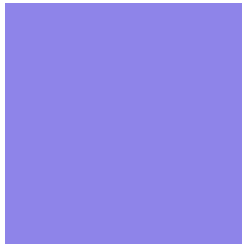
12.4795, 0.3474, 0.1688



0.9874, 0.3433, 0.1665

Previews

White Background



This preview shows how the Yxy color 28.1365, 0.2386, 0.1968 looks on a white background.

Color Contrast Check

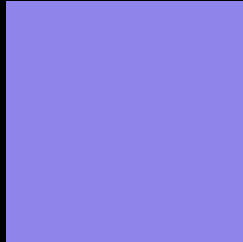
Large Text (above 18pt) WCAG AA ✓ Pass

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 28.1365, 0.2386, 0.1968 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

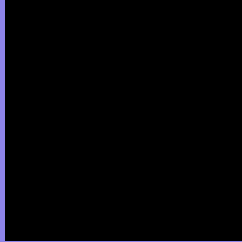
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 28.1365, 0.2386, 0.1968

Background



This preview shows how black text looks on a background with the Yxy color 28.1365, 0.2386, 0.1968.



This preview shows how white text looks on a background with the Yxy color 28.1365, 0.2386, 0.1968.

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

28.1365, 0.2386, 0.1968

Protanopia

28.2842, 0.2118, 0.1933

Deuteranopia

28.4508, 0.2142, 0.2084



Tritanopia

28.0778, 0.2796, 0.3092

Trichromacy



Original Color

28.1365, 0.2386, 0.1968

Protanomaly

28.1319, 0.2203, 0.1945

Deuteranomaly

28.0364, 0.2217, 0.2031

Tritanomaly

27.7592, 0.2625, 0.2603

Monochromacy



Original Color

28.1365, 0.2386, 0.1968

Achromatopsia

29.1771, 0.3127, 0.3290

Achromatomaly

28.5801, 0.2824, 0.2747

CSS Examples

Text

The CSS property to change the color of the text to Yxy 28.1365, 0.2386, 0.1968 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(142, 132, 233)` looks like.

```
.text, #text, p{  
    color:rgb(142, 132, 233)  
}
```

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(142, 132, 233) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(142, 132, 233) }
```

Border

The CSS property to change the border of an element to Yxy 28.1365, 0.2386, 0.1968 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(142, 132, 233) }
```

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

```
.border{ border-color:rgb(142, 132, 233) }
```

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

Here you see how a box with a 4 pixel `rgb(142, 132, 233)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(142, 132, 233); -webkit-box-  
shadow:4px 4px 4px 4px rgb(142, 132, 233);  
box-shadow:4px 4px 4px 4px rgb(142, 132,  
233) }
```


Background

The CSS property to change the background color of an element to Yxy 28.1365, 0.2386, 0.1968 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(142, 132, 233) }
```

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

```
.background{ background-color: rgb(142,  
132, 233) }
```

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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