

Converting Colors

$Y_{xy}(27.4049, 0.2328, 0.1830)$

Have a look what the booklet for
Yxy(27.4049, 0.2328, 0.1830)
contains.

Yxy(27.3403, 0.2325, 0.1828)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(27.3403, 0.2325, 0.1828)

Conversions

Conversions Part 1

Format	Color
Hex	8E7FF2
RGB	142, 127, 242
RGB Percent	56%, 50%, 95%
CMY	0.4431, 0.5020, 0.0510
CMYK	0.41, 0.48, 0.00, 0.05
HSL	248°, 82%, 72%
HSV	248°, 48%, 95%
XYZ	34.7736, 27.3403, 87.4501
YIQ	144.5950, -27.9750, 38.9450

Conversions

Conversions Part 2

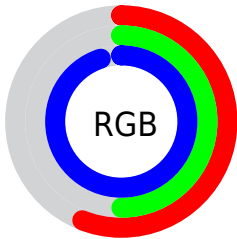
Format	Color
R _Y B	142, 127, 242
Decimal	9338866
CIE Lab	59.29, 33.09, -56.10
CIE LCh	59, 65.133, 300.534
Yxy	27.3403, 0.2325, 0.1828
Android (android.graphics.Color)	4287528946 (0xFF8E7FF2)
YUV	144.5950, 48.0207, -2.2758
Hunter-Lab	52.2880, 27.2059, -62.5592

Details

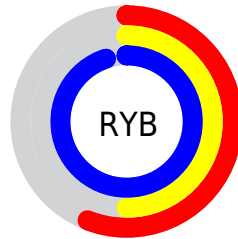
The Yxy color **27.3403, 0.2325, 0.1828** is a light color, and the websafe version is hex **9999FF**. A complement of this color would be **81.3656, 0.3719, 0.4499**, and the grayscale version is **27.9546, 0.3127, 0.3290**.

A 20% lighter version of the original color is **52.1419, 0.2746, 0.2460**, and **10.8829, 0.2077, 0.1485** is the 20% darker color. If you saturate the color by 10%, you get **20.1344, 0.2125, 0.1489**, and if you desaturate by 10%, it is **36.4002, 0.2523, 0.2174**.

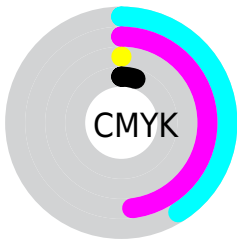
Distribution



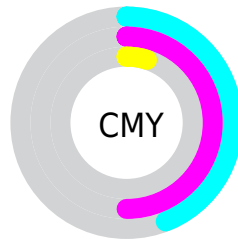
- Red (56%)
- Green (50%)
- Blue (95%)



- Red (56%)
- Yellow (50%)
- Blue (95%)



- Cyan (41%)
- Magenta (48%)
- Yellow (0%)
- Black (5%)





- Cyan (44%)
- Magenta (50%)
- Yellow (5%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 27.3403, 0.2325, 0.1828 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 27.3403, 0.2325, 0.1828 by changing the saturation by 10% instead.


 27.3403, 0.2325,
0.1828


 27.3403, 0.2325,
0.1828


289.3010, 0.2753,
0.2528


 17.8290, 0.2215,
0.1670


 55.4295, 0.2484,
0.2071

 10.8273, 0.2074,
0.1477


 74.7761, 0.2543,
0.2166

 5.9508, 0.1890,
0.1243


 98.1699, 0.2592,
0.2248

 2.8152, 0.1642,
0.0957

125.9953, 0.2634,
0.2319

 1.0360, 0.1306,
0.0620

158.6368, 0.2670,
0.2381

 0.0000, 0.0876,
0.0000

196.4786, 0.2702,

 0.0000, 0.0000,

0.2436

0.0000

239.9052, 0.2729,
0.2484

■ 27.3403, 0.2325,
0.1828

■ 27.3403, 0.2325,
0.1828

■ 20.1344, 0.2125,
0.1489

■ 36.4002, 0.2523,
0.2174

■ 14.6507, 0.1935,
0.1179

■ 47.4281, 0.2709,
0.2508

■ 10.7443, 0.1769,
0.0924

■ 60.5318, 0.2878,
0.2818

■ 8.2448, 0.1641,
0.0742

■ 75.8107, 0.3027,
0.3099

■ 6.9311, 0.1557,
0.0640

■ 93.3578, 0.3158,
0.3349

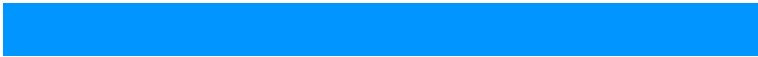
■ 6.7118, 0.1542,
0.0623

■ 99.1909, 0.3203,
0.3415

Harmonies

Analogous

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



27.3403, 0.1694, 0.1772



27.3403, 0.2325, 0.1828



27.3403, 0.3313, 0.2150

Triad

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



27.3403, 0.2325, 0.1828



27.3403, 0.5135, 0.4073



27.3403, 0.1874, 0.3862

Complementary

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



27.3403, 0.2325, 0.1828



81.3656, 0.3719, 0.4499

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.



27.3403, 0.2672, 0.5001



27.3403, 0.2325, 0.1828



27.3403, 0.4544, 0.4808

Square

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



27.3403, 0.2325, 0.1828



27.3403, 0.5139, 0.3351



27.3403, 0.3647, 0.5297



27.3403, 0.1458, 0.2710

Rectangle

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



27.3403, 0.2325, 0.1828



27.3403, 0.4070, 0.2490



27.3403, 0.3647, 0.5297



27.3403, 0.2103, 0.4290

Sweetspot

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



27.3413, 0.2325, 0.1828



73.8811, 0.2932, 0.2920



66.7319, 0.2467, 0.3125



15.0468, 0.2899, 0.2857



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.



27.3413, 0.2325, 0.1828



22.9350, 0.2132, 0.1501



33.5833, 0.2783, 0.1993



15.3277, 0.3000, 0.3047



3.6379, 0.1550, 0.0627



0.3338, 0.1643, 0.0679

Inverse Universe

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



39.6006, 0.3320, 0.2264



38.3935, 0.3368, 0.2089



73.7050, 0.3324, 0.4675



15.9938, 0.3158, 0.3087



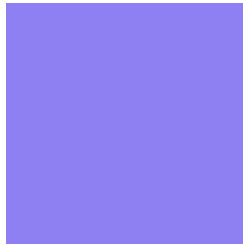
12.6658, 0.3569, 0.1740



1.0635, 0.3514, 0.1710

Previews

White Background



This preview shows how the Yxy color 27.3403, 0.2325, 0.1828 looks on a white background.

Color Contrast Check

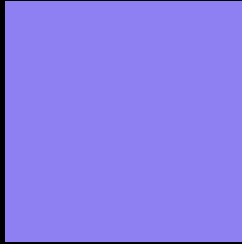
Large Text (above 18pt) WCAG AA ✓ Pass

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 27.3403, 0.2325, 0.1828 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 27.3403, 0.2325, 0.1828

Background



This preview shows how black text looks on a background with the Yxy color 27.3403, 0.2325, 0.1828.



This preview shows how white text looks on a background with the Yxy color 27.3403, 0.2325, 0.1828.

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

27.3403, 0.2325, 0.1828

Protanopia

27.6809, 0.2000, 0.1781

Deuteranopia

27.7393, 0.2024, 0.1967



Tritanopia

27.4010, 0.2776, 0.3105

Trichromacy



Original Color

27.3403, 0.2325, 0.1828

Protanomaly

27.3556, 0.2095, 0.1794

Deuteranomaly

27.1757, 0.2107, 0.1907

Tritanomaly

27.0974, 0.2590, 0.2541

Monochromacy



Original Color

27.3403, 0.2325, 0.1828

Achromatopsia

28.3149, 0.3127, 0.3290

Achromatomaly

27.4015, 0.2794, 0.2656

CSS Examples

Text

The CSS property to change the color of the text to Yxy 27.3403, 0.2325, 0.1828 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, 127, 242)` looks like.

```
.text, #text, p{  
    color:rgb(142, 127, 242)  
}
```

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, 127, 242) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(142, 127, 242) }
```

Border

The CSS property to change the border of an element to Yxy 27.3403, 0.2325, 0.1828 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, 127, 242) }
```

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

```
.border{ border-color:rgb(142, 127, 242) }
```

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

Here you see how a box with a 4 pixel `rgb(142, 127, 242)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(142, 127, 242); -webkit-box-shadow:4px 4px 4px 4px rgb(142, 127, 242); box-shadow:4px 4px 4px 4px rgb(142, 127, 242) }
```


Background

The CSS property to change the background color of an element to Yxy 27.3403, 0.2325, 0.1828 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(142, 127, 242) }
```

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

```
.background{ background-color: rgb(142,  
127, 242) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor