

Converting Colors

$Y_{xy}(27.1051, 0.2316, 0.1831)$

Have a look what the booklet for
Yxy(27.1051, 0.2316, 0.1831)
contains.

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Color

Yxy(27.1051, 0.2316, 0.1831)

Conversions

Conversions Part 1

Format	Color
Hex	8C7FF1
RGB	140, 127, 241
RGB Percent	55%, 50%, 95%
CMY	0.4509, 0.5020, 0.0549
CMYK	0.42, 0.47, 0.00, 0.05
HSL	247°, 80%, 72%
HSV	247°, 47%, 95%
XYZ	34.2848, 27.1051, 86.6445
YIQ	143.8830, -28.8460, 38.2100

Conversions

Conversions Part 2

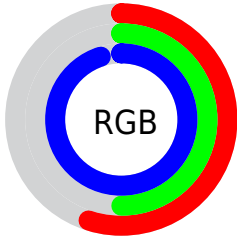
Format	Color
R _Y B	140, 127, 241
Decimal	9207793
CIE Lab	59.07, 32.34, -55.90
CIE LCh	59, 64.582, 300.050
Yxy	27.1051, 0.2316, 0.1831
Android (android.graphics.Color)	4287397873 (0xFF8C7FF1)
YUV	143.8830, 47.8787, -3.4054
Hunter-Lab	52.0626, 26.4382, -62.2289

Details

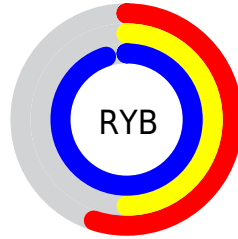
The Yxy color **27.1051, 0.2316, 0.1831** is a light color, and the websafe version is hex **9999FF**. A complement of this color would be **80.9324, 0.3730, 0.4487**, and the grayscale version is **27.6549, 0.3127, 0.3290**.

A 20% lighter version of the original color is **51.8683, 0.2731, 0.2457**, and **10.7485, 0.2066, 0.1486** is the 20% darker color. If you saturate the color by 10%, you get **19.9299, 0.2114, 0.1490**, and if you desaturate by 10%, it is **36.1304, 0.2516, 0.2178**.

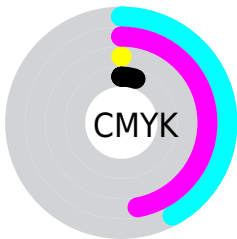
Distribution



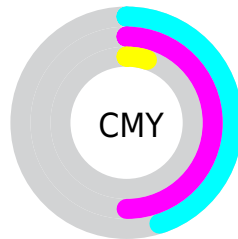
- Red (55%)
- Green (50%)
- Blue (95%)



- Red (55%)
- Yellow (50%)
- Blue (95%)



- Cyan (42%)
- Magenta (47%)
- Yellow (0%)
- Black (5%)





- Cyan (45%)
- Magenta (50%)
- Yellow (5%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 27.1051, 0.2316, 0.1831 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 27.1051, 0.2316, 0.1831 by changing the saturation by 10% instead.


 27.1051, 0.2316,
0.1831


 27.1051, 0.2316,
0.1831


288.1656, 0.2749,
0.2531


 17.6522, 0.2205,
0.1672

 55.0525, 0.2477,
0.2075

 10.7006, 0.2062,
0.1479


 74.3157, 0.2536,
0.2170

 5.8659, 0.1876,
0.1243


 97.6178, 0.2586,
0.2251

 2.7637, 0.1625,
0.0956

125.3432, 0.2629,
0.2322

 1.0096, 0.1286,
0.0617

157.8763, 0.2665,
0.2384

 0.0000, 0.0847,
0.0000

195.6015, 0.2697,

 0.0000, 0.0000,

0.2439

0.0000

238.9031, 0.2725,
0.2488

■ 27.1051, 0.2316,
0.1831

■ 27.1051, 0.2316,
0.1831

■ 19.9299, 0.2114,
0.1490

■ 36.1304, 0.2516,
0.2178

■ 14.4732, 0.1923,
0.1178

■ 47.1194, 0.2705,
0.2513

■ 10.5905, 0.1757,
0.0921

■ 60.1798, 0.2876,
0.2824

■ 8.1121, 0.1630,
0.0738

■ 75.4107, 0.3028,
0.3105

■ 6.8203, 0.1549,
0.0637

■ 92.9048, 0.3161,
0.3354

■ 6.5916, 0.1534,
0.0619

■ 99.1310, 0.3209,
0.3425

Harmonies

Analogous

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



27.1051, 0.1693, 0.1780



27.1051, 0.2316, 0.1831



27.1051, 0.3294, 0.2148

Triad

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



27.1051, 0.2316, 0.1831



27.1051, 0.5131, 0.4060



27.1051, 0.1891, 0.3879

Complementary

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



27.1051, 0.2316, 0.1831



80.9324, 0.3730, 0.4487

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.



27.1051, 0.2690, 0.5003



27.1051, 0.2316, 0.1831



27.1051, 0.4552, 0.4792

Square

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



27.1051, 0.2316, 0.1831



27.1051, 0.5123, 0.3341



27.1051, 0.3662, 0.5284



27.1051, 0.1469, 0.2729

Rectangle

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



27.1051, 0.2316, 0.1831



27.1051, 0.4047, 0.2485



27.1051, 0.3662, 0.5284



27.1051, 0.2121, 0.4303

Sweetspot

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



27.1060, 0.2316, 0.1831



73.7883, 0.2928, 0.2919



67.2342, 0.2474, 0.3150



15.0246, 0.2894, 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.



27.1060, 0.2316, 0.1831



22.7524, 0.2117, 0.1494



33.1835, 0.2768, 0.1994



15.3152, 0.2997, 0.3047



3.6032, 0.1541, 0.0623



0.3279, 0.1626, 0.0669

Inverse Universe

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



39.4780, 0.3301, 0.2252



38.5321, 0.3345, 0.2070



73.2820, 0.3336, 0.4663



15.9985, 0.3155, 0.3083



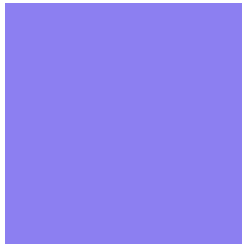
12.7714, 0.3520, 0.1713



1.0712, 0.3473, 0.1687

Previews

White Background



This preview shows how the Yxy color 27.1051, 0.2316, 0.1831 looks on a white background.

Color Contrast Check

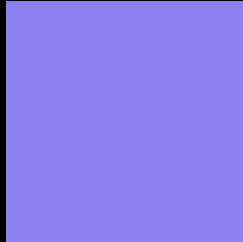
Large Text (above 18pt) WCAG AA ✓ Pass

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 27.1051, 0.2316, 0.1831 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

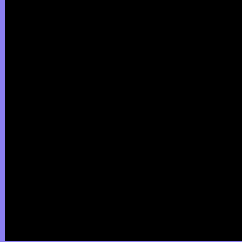
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 27.1051, 0.2316, 0.1831

Background



This preview shows how black text looks on a background with the Yxy color 27.1051, 0.2316, 0.1831.

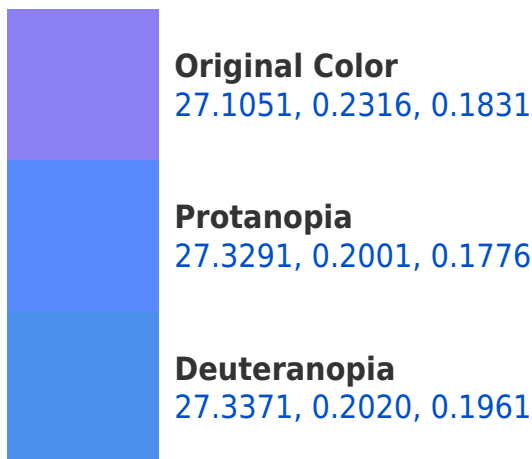


This preview shows how white text looks on a background with the Yxy color 27.1051, 0.2316, 0.1831.

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





Tritanopia

26.9483, 0.2756, 0.3087

Trichromacy



Original Color

27.1051, 0.2316, 0.1831

Protanomaly

27.0157, 0.2096, 0.1789

Deuteranomaly

26.7737, 0.2103, 0.1900

Tritanomaly

26.6081, 0.2578, 0.2535

Monochromacy



Original Color

27.1051, 0.2316, 0.1831

Achromatopsia

27.8894, 0.3127, 0.3290

Achromatomaly

27.2713, 0.2793, 0.2668

CSS Examples

Text

The CSS property to change the color of the text to Yxy 27.1051, 0.2316, 0.1831 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(140, 127, 241)` looks like.

```
.text, #text, p{  
    color:rgb(140, 127, 241)  
}
```

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(140, 127, 241) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(140, 127, 241) }
```

Border

The CSS property to change the border of an element to Yxy 27.1051, 0.2316, 0.1831 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(140, 127, 241) }
```

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

```
.border{ border-color:rgb(140, 127, 241) }
```

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

Here you see how a box with a 4 pixel `rgb(140, 127, 241)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(140, 127, 241); -webkit-box-  
shadow:4px 4px 4px 4px rgb(140, 127, 241);  
box-shadow:4px 4px 4px 4px rgb(140, 127,  
241) }
```


Background

The CSS property to change the background color of an element to Yxy 27.1051, 0.2316, 0.1831 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(140, 127, 241) }
```

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

```
.background{ background-color: rgb(140,  
127, 241) }
```

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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