

Converting Colors

$Y_{xy}(27.5867, 0.2204, 0.1712)$

Have a look what the booklet for
Yxy(27.5867, 0.2204, 0.1712)
contains.

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Color

Yxy(27.7267, 0.2206, 0.1718)

Conversions

Conversions Part 1

| Format | Color |
|-------------|-----------------------------|
| Hex | 8680FF |
| RGB | 134, 128, 255 |
| RGB Percent | 53%, 50%, 100% |
| CMY | 0.4743, 0.4981, 0.0001 |
| CMYK | 0.47, 0.50, 0.00, 0.00 |
| HSL | 243°, 100%, 75% |
| HSV | 243°, 50%, 100% |
| XYZ | 35.6025, 27.7267, 98.0602 |
| YIQ | 144.2720, -37.1910, 40.7690 |

Conversions

Conversions Part 2

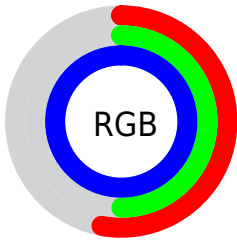
| Format | Color |
|-------------------------------------|--|
| RYB | 134, 128, 255 |
| Decimal | 8814847 |
| CIELab | 59.64, 34.39, -62.73 |
| CIElCh | 60, 71.533, 298.733 |
| Yxy | 27.7267, 0.2206, 0.1718 |
| Android (android.graphics.Color) | 4287004927 (0xFF8680FF) |
| YUV | 144.2720, 54.5889, -9.0085 |
| Hunter-Lab | 52.6561, 28.5413, -73.5550 |

Details

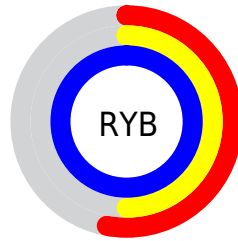
The Yxy color **27.7267, 0.2206, 0.1718** is a light color, and the websafe version is hex **6666CC**. A complement of this color would be **93.1861, 0.3817, 0.4521**, and the grayscale version is **27.7958, 0.3127, 0.3290**.

A 20% lighter version of the original color is **51.6052, 0.2697, 0.2460**, and **11.0396, 0.1934, 0.1366** is the 20% darker color. If you saturate the color by 10%, you get **20.1192, 0.1999, 0.1375**, and if you desaturate by 10%, it is **37.4648, 0.2418, 0.2074**.

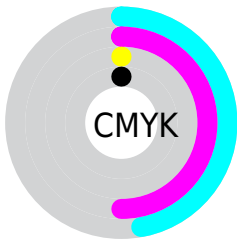
Distribution



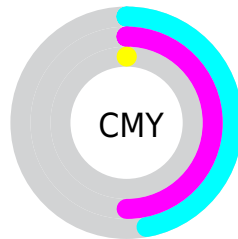
- Red (53%)
- Green (50%)
- Blue (100%)



- Red (53%)
- Yellow (50%)
- Blue (100%)



- Cyan (47%)
- Magenta (50%)
- Yellow (0%)
- Black (0%)




- Cyan (47%)
- Magenta (50%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 27.7267, 0.2206, 0.1718 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 27.7267, 0.2206, 0.1718 by changing the saturation by 10% instead.

 27.7267, 0.2206,
0.1718


 27.7267, 0.2206,
0.1718


291.1587, 0.2689,
0.2457


 18.1197, 0.2086,
0.1555

 56.0478, 0.2383,
0.1971

 11.0360, 0.1934,
0.1361


 75.5308, 0.2449,
0.2071

 6.0910, 0.1739,
0.1129


 99.0745, 0.2505,
0.2158

 2.9005, 0.1486,
0.0853

127.0634, 0.2553,
0.2233

 1.0800, 0.1155,
0.0539

159.8819, 0.2594,
0.2299

 0.0000, 0.0755,
0.0000

197.9143, 0.2630,

 0.0000, 0.0000,

0.2358

0.0000

241.5451, 0.2661,
0.2410

■ 27.7267, 0.2206,
0.1718

■ 27.7267, 0.2206,
0.1718

■ 20.1192, 0.1999,
0.1375

■ 37.4648, 0.2418,
0.2074

■ 14.4802, 0.1813,
0.1072

■ 49.4740, 0.2623,
0.2421

■ 10.6287, 0.1664,
0.0835

■ 63.8858, 0.2812,
0.2744

■ 8.3492, 0.1563,
0.0680

■ 80.8210, 0.2981,
0.3036

■ 7.3122, 0.1511,
0.0607

99.9983, 0.3127,
0.3290

■ 7.2976, 0.1510,
0.0605

Harmonies

Analogous

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



27.7267, 0.1567, 0.1673



27.7267, 0.2206, 0.1718



27.7267, 0.3248, 0.2041

Triad

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



27.7267, 0.2206, 0.1718



27.7267, 0.5304, 0.4038



27.7267, 0.1807, 0.3997

Complementary

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



27.7267, 0.2206, 0.1718



93.1861, 0.3817, 0.4521

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.



27.7267, 0.2671, 0.5240



27.7267, 0.2206, 0.1718



27.7267, 0.4671, 0.4843

Square

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



27.7267, 0.2206, 0.1718



27.7267, 0.5290, 0.3283



27.7267, 0.3712, 0.5457



27.7267, 0.1354, 0.2704

Rectangle

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



27.7267, 0.2206, 0.1718



27.7267, 0.4077, 0.2390



27.7267, 0.3712, 0.5457



27.7267, 0.2056, 0.4475

Sweetspot

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



27.7276, 0.2206, 0.1718



71.7110, 0.2896, 0.2889



80.6397, 0.2465, 0.3240



14.5995, 0.2859, 0.2826



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.



27.7276, 0.2206, 0.1718



19.9928, 0.1995, 0.1369



34.3530, 0.2670, 0.1893



17.4191, 0.2986, 0.3045



3.8315, 0.1514, 0.0608



0.3869, 0.1547, 0.0626

Inverse Universe

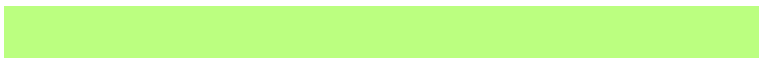
The Inverse Universe completely reimagines the original color for something new.



43.5263, 0.3236, 0.2133



37.5216, 0.3260, 0.1945



83.6580, 0.3396, 0.4720



18.2845, 0.3145, 0.3067



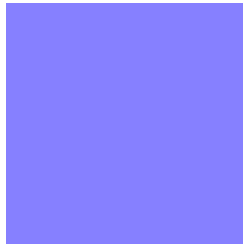
14.4915, 0.3333, 0.1609



1.4154, 0.3317, 0.1601

Previews

White Background



This preview shows how the Yxy color 27.7267, 0.2206, 0.1718 looks on a white background.

Color Contrast Check

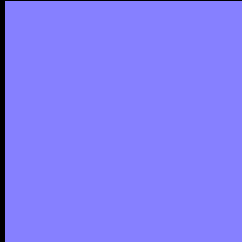
Large Text (above 18pt) WCAG AA ✓ Pass

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 27.7267, 0.2206, 0.1718 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

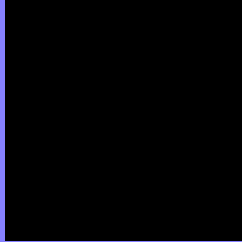
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 27.7267, 0.2206, 0.1718

Background



This preview shows how black text looks on a background with the Yxy color 27.7267, 0.2206, 0.1718.



This preview shows how white text looks on a background with the Yxy color 27.7267, 0.2206, 0.1718.

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

27.7267, 0.2206, 0.1718

Protanopia

28.0509, 0.1992, 0.1777

Deuteranopia

27.9459, 0.1904, 0.1838



Tritanopia

27.6095, 0.2639, 0.3085

Trichromacy



Original Color

27.7267, 0.2206, 0.1718

Protanomaly

27.8316, 0.2058, 0.1753

Deuteranomaly

27.2874, 0.1975, 0.1780

Tritanomaly

27.1134, 0.2449, 0.2462

Monochromacy



Original Color

27.7267, 0.2206, 0.1718

Achromatopsia

27.8894, 0.3127, 0.3290

Achromatomaly

27.2131, 0.2723, 0.2595

CSS Examples

Text

The CSS property to change the color of the text to Yxy 27.7267, 0.2206, 0.1718 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, 128, 255)` looks like.

```
.text, #text, p{  
    color:rgb(134, 128, 255)  
}
```

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, 128, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(134, 128, 255) }
```

Border

The CSS property to change the border of an element to Yxy 27.7267, 0.2206, 0.1718 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, 128, 255) }
```

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

```
.border{ border-color:rgb(134, 128, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(134, 128, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(134, 128, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(134, 128, 255);  
box-shadow:4px 4px 4px 4px rgb(134, 128,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 27.7267, 0.2206, 0.1718 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(134, 128, 255) }
```

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

```
.background{ background-color: rgb(134,  
128, 255) }
```

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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