

Converting Colors

$Y_{xy}(27.3853, 0.2197, 0.1704)$

Have a look what the booklet for
Yxy(27.3853, 0.2197, 0.1704)
contains.

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Color

Yxy(27.3853, 0.2197, 0.1704)

Conversions

Conversions Part 1

Format	Color
Hex	857FFF
RGB	133, 127, 255
RGB Percent	52%, 50%, 100%
CMY	0.4785, 0.5019, 0.0001
CMYK	0.48, 0.50, 0.00, 0.00
HSL	243°, 100%, 75%
HSV	243°, 50%, 100%
XYZ	35.3084, 27.3853, 98.0182
YIQ	143.3860, -37.5120, 41.0800

Conversions

Conversions Part 2

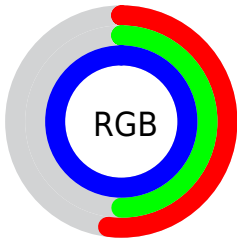
Format	Color
R_{YB}	133, 127, 255
Decimal	8749055
CIE _{Lab}	59.33, 34.74, -63.24
CIE _{LCh}	59, 72.148, 298.781
Yxy	27.3853, 0.2197, 0.1704
Android (android.graphics.Color)	4286939135 (0xFF857FFF)
YUV	143.3860, 55.0257, -9.1085
Hunter-Lab	52.3310, 28.8571, -74.4211

Details

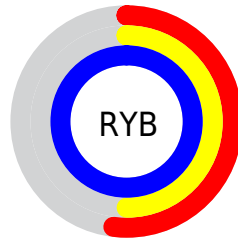
The Yxy color **27.3853, 0.2197, 0.1704** is a light color, and the websafe version is hex **6666CC**. A complement of this color would be **93.1822, 0.3823, 0.4529**, and the grayscale version is **27.4181, 0.3127, 0.3290**.

A 20% lighter version of the original color is **51.0690, 0.2689, 0.2447**, and **10.8577, 0.1924, 0.1350** is the 20% darker color. If you saturate the color by 10%, you get **19.8573, 0.1991, 0.1362**, and if you desaturate by 10%, it is **37.0390, 0.2409, 0.2060**.

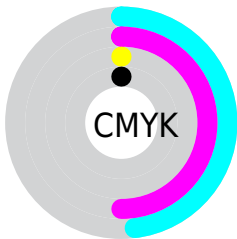
Distribution



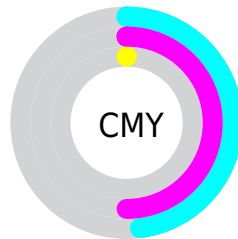
- Red (52%)
- Green (50%)
- Blue (100%)



- Red (52%)
- Yellow (50%)
- Blue (100%)



- Cyan (48%)
- Magenta (50%)
- Yellow (0%)
- Black (0%)





- Cyan (48%)
- Magenta (50%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 27.3853, 0.2197, 0.1704 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 27.3853, 0.2197, 0.1704 by changing the saturation by 10% instead.


 27.3853, 0.2197,
0.1704


 27.3853, 0.2197,
0.1704


289.5179, 0.2686,
0.2450


 17.8628, 0.2075,
0.1540


 55.5015, 0.2376,
0.1959

 10.8515, 0.1922,
0.1345


 74.8641, 0.2443,
0.2060

 5.9671, 0.1725,
0.1111


 98.2754, 0.2499,
0.2147

 2.8251, 0.1470,
0.0835

126.1199, 0.2548,
0.2223

 1.0411, 0.1137,
0.0522

158.7820, 0.2589,
0.2290

 0.0000, 0.0734,
0.0000

196.6461, 0.2626,

 0.0000, 0.0000,

0.2349

0.0000

240.0966, 0.2657,
0.2402

■ 27.3853, 0.2197,
0.1704

■ 27.3853, 0.2197,
0.1704

■ 19.8573, 0.1991,
0.1362

■ 37.0390, 0.2409,
0.2060

■ 14.2920, 0.1806,
0.1061

■ 48.9595, 0.2614,
0.2407

■ 10.5073, 0.1658,
0.0827

■ 63.2790, 0.2804,
0.2732

■ 8.2858, 0.1559,
0.0676

■ 80.1187, 0.2975,
0.3026

■ 7.2965, 0.1510,
0.0605

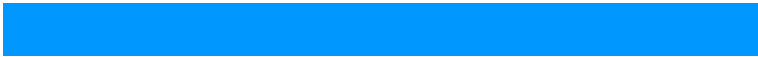
99.5916, 0.3125,
0.3285

99.9989, 0.3127,
0.3290

Harmonies

Analogous

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



27.3853, 0.1553, 0.1657



27.3853, 0.2197, 0.1704



27.3853, 0.3250, 0.2029

Triad

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



27.3853, 0.2197, 0.1704



27.3853, 0.5324, 0.4039



27.3853, 0.1791, 0.4003

Complementary

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



27.3853, 0.2197, 0.1704



93.1822, 0.3823, 0.4529

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.



27.3853, 0.2661, 0.5268



27.3853, 0.2197, 0.1704



27.3853, 0.4680, 0.4855

Square

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



27.3853, 0.2197, 0.1704



27.3853, 0.5316, 0.3280



27.3853, 0.3711, 0.5482



27.3853, 0.1337, 0.2693

Rectangle

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



27.3853, 0.2197, 0.1704



27.3853, 0.4090, 0.2382



27.3853, 0.3711, 0.5482



27.3853, 0.2041, 0.4490

Sweetspot

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



27.3862, 0.2197, 0.1704



71.7054, 0.2895, 0.2889



80.5499, 0.2461, 0.3239



14.5982, 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.



27.3862, 0.2197, 0.1704



19.9835, 0.1994, 0.1368



34.0375, 0.2666, 0.1882



17.4182, 0.2986, 0.3045



3.8303, 0.1514, 0.0608



0.3866, 0.1546, 0.0626

Inverse Universe

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



43.2780, 0.3236, 0.2125



37.5307, 0.3259, 0.1944



83.5730, 0.3398, 0.4731



18.2848, 0.3145, 0.3067



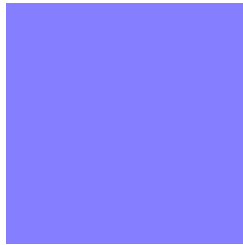
14.4991, 0.3330, 0.1608



1.4161, 0.3315, 0.1600

Previews

White Background



This preview shows how the Yxy color 27.3853, 0.2197, 0.1704 looks on a white background.

Color Contrast Check

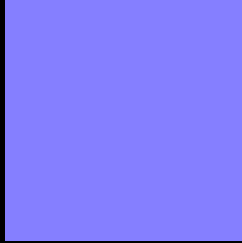
Large Text (above 18pt) WCAG AA ✓ Pass

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 27.3853, 0.2197, 0.1704 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 27.3853, 0.2197, 0.1704

Background



This preview shows how black text looks on a background with the Yxy color 27.3853, 0.2197, 0.1704.



This preview shows how white text looks on a background with the Yxy color 27.3853, 0.2197, 0.1704.

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

27.3853, 0.2197, 0.1704

Protanopia

27.6637, 0.1981, 0.1761

Deuteranopia

27.5399, 0.1892, 0.1821



Tritanopia

27.4855, 0.2623, 0.3084

Trichromacy



Original Color

27.3853, 0.2197, 0.1704

Protanomaly

27.4315, 0.2046, 0.1737

Deuteranomaly

26.8675, 0.1960, 0.1762

Tritanomaly

27.0445, 0.2442, 0.2461

Monochromacy



Original Color

27.3853, 0.2197, 0.1704

Achromatopsia

27.4677, 0.3127, 0.3290

Achromatomaly

26.8410, 0.2713, 0.2578

CSS Examples

Text

The CSS property to change the color of the text to Yxy 27.3853, 0.2197, 0.1704 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(133, 127, 255)` looks like.

```
.text, #text, p{  
    color:rgb(133, 127, 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(133, 127, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(133, 127, 255) }
```

Border

The CSS property to change the border of an element to Yxy 27.3853, 0.2197, 0.1704 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(133, 127, 255) }
```

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

```
.border{ border-color:rgb(133, 127, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(133, 127, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(133, 127, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(133, 127, 255);  
box-shadow:4px 4px 4px 4px rgb(133, 127,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 27.3853, 0.2197, 0.1704 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(133, 127, 255) }
```

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

```
.background{ background-color: rgb(133,  
127, 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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