

Converting Colors

$Y_{xy}(27.0710, 0.2027, 0.1782)$

Have a look what the booklet for
Yxy(27.0710, 0.2027, 0.1782)
contains.

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Color

Yxy(27.1731, 0.2027, 0.1787)

Conversions

Conversions Part 1

Format	Color
Hex	5E89FA
RGB	94, 137, 250
RGB Percent	37%, 54%, 98%
CMY	0.6311, 0.4628, 0.0196
CMYK	0.62, 0.45, 0.00, 0.02
HSL	223°, 94%, 67%
HSV	223°, 62%, 98%
XYZ	30.8225, 27.1731, 94.0642
YIQ	137.0250, -61.9010, 26.0270

Conversions

Conversions Part 2

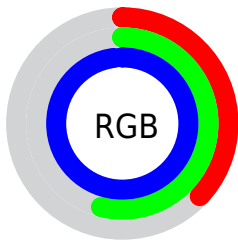
Format	Color
R _Y B	94, 128, 250
Decimal	6195706
CIE Lab	59.13, 19.66, -60.94
CIE LCh	59, 64.032, 287.882
Yxy	27.1731, 0.2027, 0.1787
Android (android.graphics.Color)	4284385786 (0xFF5E89FA)
YUV	137.0250, 55.6967, -37.7329
Hunter-Lab	52.1278, 14.3211, -70.4989

Details

The Yxy color **27.1731, 0.2027, 0.1787** is a light color, and the websafe version is hex **6699FF**. The color can be described as light muted azure. A complement of this color would be **65.8044, 0.4265, 0.4401**, and the grayscale version is **24.8359, 0.3127, 0.3290**.

A 20% lighter version of the original color is **51.1148, 0.2470, 0.2517**, and **10.8297, 0.1730, 0.1429** is the 20% darker color. If you saturate the color by 10%, you get **21.3325, 0.1868, 0.1515**, and if you desaturate by 10%, it is **34.3084, 0.2205, 0.2066**.

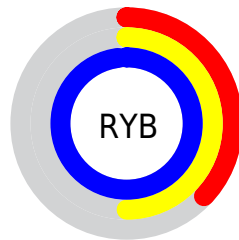
Distribution



Red (37%)

Green (54%)

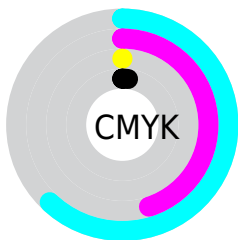
Blue (98%)



Red (37%)

Yellow (50%)

Blue (98%)

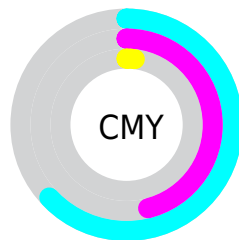


Cyan (62%)

Magenta (45%)

Yellow (0%)

Black (2%)



Cyan (63%)


Magenta (46%)


Yellow (2%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 27.1731, 0.2027, 0.1787 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 27.1731, 0.2027, 0.1787 by changing the saturation by 10% instead.


 27.1731, 0.2027,
0.1787


 27.1731, 0.2027,
0.1787


288.4943, 0.2592,
0.2513

 17.7033, 0.1890,
0.1623


 55.1615, 0.2231,
0.2040


 10.7372, 0.1719,
0.1425


 74.4489, 0.2308,
0.2138

 5.8904, 0.1503,
0.1185


 97.7776, 0.2374,
0.2223

 2.7785, 0.1228,
0.0896

 125.5319, 0.2430,
0.2296

 1.0172, 0.0884,
0.0564

158.0964, 0.2479,
0.2361

 0.0000, 0.0415,
0.0000

195.8553, 0.2521,

 0.0000, 0.0000,

0.2417

0.0000

239.1932, 0.2559,
0.2468

■ 27.1731, 0.2027,
0.1787

■ 27.1731, 0.2027,
0.1787

■ 21.3325, 0.1868,
0.1515

■ 34.3084, 0.2205,
0.2066

■ 16.6978, 0.1736,
0.1264

■ 42.8134, 0.2392,
0.2340

■ 13.1711, 0.1639,
0.1048

■ 52.7598, 0.2579,
0.2599

■ 11.1340, 0.1587,
0.0912

■ 64.2133, 0.2760,
0.2839

■ 77.2355, 0.2932,
0.3055

91.8843, 0.3091,
0.3248

99.6823, 0.3156,
0.3338

Harmonies

Analogous

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



27.1731, 0.1553, 0.1855



27.1731, 0.2027, 0.1787



27.1731, 0.2864, 0.1999

Triad

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



27.1731, 0.2027, 0.1787



27.1731, 0.5196, 0.3763



27.1731, 0.2186, 0.4381

Complementary

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



27.1731, 0.2027, 0.1787



65.8044, 0.4265, 0.4401

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.



27.1731, 0.3083, 0.5220



27.1731, 0.2027, 0.1787



27.1731, 0.4828, 0.4496

Square

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



27.1731, 0.2027, 0.1787



27.1731, 0.4892, 0.3069



27.1731, 0.4041, 0.5130



27.1731, 0.1603, 0.3152

Rectangle

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



27.1731, 0.2027, 0.1787



27.1731, 0.3585, 0.2277



27.1731, 0.4041, 0.5130



27.1731, 0.2461, 0.4751

Sweetspot

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



27.1739, 0.2027, 0.1787



71.5458, 0.2819, 0.2914



75.2042, 0.2557, 0.3851



14.5105, 0.2769, 0.2850



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.



27.1739, 0.2027, 0.1787



20.8806, 0.1829, 0.1444



19.5000, 0.2119, 0.1371



17.4203, 0.2979, 0.3113



6.1108, 0.1594, 0.0939



0.7351, 0.1657, 0.1165

Inverse Universe

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



30.1495, 0.4564, 0.2870



26.1685, 0.5044, 0.2855



83.8145, 0.3760, 0.4879



17.3037, 0.3251, 0.3225



11.0278, 0.5852, 0.2997



1.0384, 0.5516, 0.2813

Previews

White Background



This preview shows how the Yxy color 27.1731, 0.2027, 0.1787 looks on a white background.

Color Contrast Check

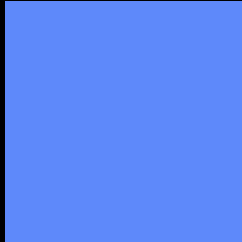
Large Text (above 18pt) WCAG AA ✓ Pass

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 27.1731, 0.2027, 0.1787 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

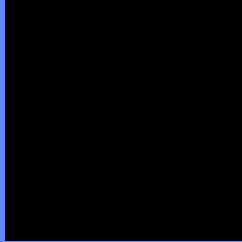
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

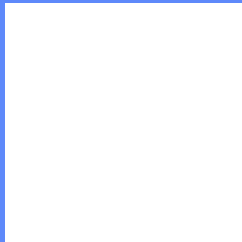
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 27.1731, 0.2027, 0.1787

Background



This preview shows how black text looks on a background with the Yxy color 27.1731, 0.2027, 0.1787.



This preview shows how white text looks on a background with the Yxy color 27.1731, 0.2027, 0.1787.

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

27.1731, 0.2027, 0.1787

Protanopia

27.2658, 0.2004, 0.1784

Deuteranopia

27.4019, 0.1904, 0.1848



Tritanopia

26.9999, 0.2286, 0.3054

Trichromacy



Original Color

27.1731, 0.2027, 0.1787

Protanomaly

27.3661, 0.2013, 0.1787

Deuteranomaly

27.0476, 0.1935, 0.1812

Tritanomaly

26.4503, 0.2161, 0.2475

Monochromacy



Original Color

27.1731, 0.2027, 0.1787

Achromatopsia

25.0158, 0.3127, 0.3290

Achromatomaly

25.1706, 0.2598, 0.2630

CSS Examples

Text

The CSS property to change the color of the text to Yxy 27.1731, 0.2027, 0.1787 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(94, 137, 250)` looks like.

```
.text, #text, p{  
    color:rgb(94, 137, 250)  
}
```

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(94, 137, 250) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(94, 137, 250) }
```

Border

The CSS property to change the border of an element to Yxy 27.1731, 0.2027, 0.1787 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(94, 137, 250) }
```

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

```
.border{ border-color:rgb(94, 137, 250) }
```

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

Here you see how a box with a 4 pixel rgb(94, 137, 250) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(94, 137, 250); -webkit-box-  
shadow:4px 4px 4px 4px rgb(94, 137, 250);  
box-shadow:4px 4px 4px 4px rgb(94, 137,  
250) }
```


Background

The CSS property to change the background color of an element to Yxy 27.1731, 0.2027, 0.1787 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(94, 137, 250) }
```

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

```
.background{ background-color: rgb(94, 137,  
250) }
```

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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