

Converting Colors

$Y_{xy}(27.7135, 0.1835, 0.1805)$

Have a look what the booklet for
Yxy(27.7135, 0.1835, 0.1805)
contains.

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Color

Yxy(27.7135, 0.1835, 0.1805)

Conversions

Conversions Part 1

Format	Color
Hex	0092FE
RGB	0, 146, 254
RGB Percent	0%, 57%, 100%
CMY	0.9985, 0.4275, 0.0038
CMYK	1.00, 0.43, 0.00, 0.00
HSL	206°, 100%, 50%
HSV	206°, 100%, 100%
XYZ	28.1741, 27.7135, 97.6498
YIQ	114.6580, -121.6840, 2.6360

Conversions

Conversions Part 2

Format	Color
R _{YB}	0, 93, 254
Decimal	37630
CIE Lab	59.63, 7.39, -62.48
CIE LCh	60, 62.912, 276.749
Yxy	27.7135, 0.1835, 0.1805
Android (android.graphics.Color)	4278227710 (0xFF0092FE)
YUV	114.6580, 68.6956, -100.5551
Hunter-Lab	52.6436, 3.4043, -73.1278

Details

The Yxy color **27.7135, 0.1835, 0.1805** is a dark color, and the websafe version is hex **3399FF**. The color can be described as middle saturated azure. A complement of this color would be **31.8898, 0.5652, 0.3893**, and the grayscale version is **16.8875, 0.3127, 0.3290**.

A 20% lighter version of the original color is **51.5116, 0.2271, 0.2591**, and **12.3970, 0.1758, 0.1528** is the 20% darker color. If you saturate the color by 10%, you get **27.6614, 0.1834, 0.1803**, and if you desaturate by 10%, it is **31.4236, 0.1896, 0.1964**.

Distribution



- Red (0%)
- Green (57%)
- Blue (100%)



- Red (0%)
- Yellow (36%)
- Blue (100%)



- Cyan (100%)
- Magenta (43%)
- Yellow (0%)
- Black (0%)





- Cyan (100%)
- Magenta (43%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 27.7135, 0.1835, 0.1805 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 27.7135, 0.1835, 0.1805 by changing the saturation by 10% instead.


 27.7135, 0.1835,
0.1805


 27.7135, 0.1835,
0.1805


291.0954, 0.2481,
0.2531


 18.1098, 0.1684,
0.1640


 56.0267, 0.2064,
0.2059


 11.0288, 0.1499,
0.1440


 75.5050, 0.2152,
0.2157

 6.0862, 0.1272,
0.1198


 99.0436, 0.2227,
0.2242

 2.8976, 0.0992,
0.0907

 127.0270, 0.2292,
0.2315

 1.0785, 0.0661,
0.0572

 159.8394, 0.2349,
0.2380

 0.0000, 0.0143,
0.0000

197.8654, 0.2398,

 0.0000, 0.0000,

0.2436

0.0000

241.4892, 0.2442,
0.2486

■ 27.7135, 0.1835,
0.1805

■ 27.7135, 0.1835,
0.1805

■ 27.6614, 0.1834,
0.1803

■ 31.4236, 0.1896,
0.1964

■ 35.7345, 0.1978,
0.2129

■ 40.7379, 0.2082,
0.2297

■ 46.4926, 0.2206,
0.2464

■ 53.0494, 0.2346,
0.2627

■ 60.4530, 0.2497,
0.2782

■ 68.7443, 0.2655,
0.2927

■ 77.9609, 0.2815,
0.3061

■ 88.1378, 0.2974,
0.3182

Harmonies

Analogous

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



27.7135, 0.1492, 0.1991



27.7135, 0.1835, 0.1805



27.7135, 0.2526, 0.1915

Triad

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



27.7135, 0.1835, 0.1805



27.7135, 0.5125, 0.3503



27.7135, 0.2512, 0.4746

Complementary

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



27.7135, 0.1835, 0.1805



31.8898, 0.5652, 0.3893

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.



27.7135, 0.3445, 0.5238



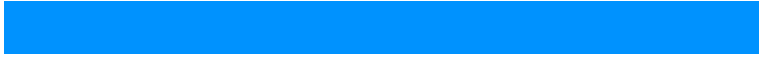
27.7135, 0.1835, 0.1805



27.7135, 0.4993, 0.4215

Square

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



27.7135, 0.1835, 0.1805



27.7135, 0.4566, 0.2839



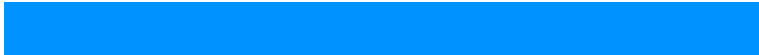
27.7135, 0.4347, 0.4899



27.7135, 0.1801, 0.3588

Rectangle

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



27.7135, 0.1835, 0.1805



27.7135, 0.3174, 0.2132



27.7135, 0.4347, 0.4899



27.7135, 0.2812, 0.5016

Sweetspot

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



27.7143, 0.1835, 0.1805



69.2080, 0.2652, 0.2925



71.9434, 0.2808, 0.5308



14.0358, 0.2585, 0.2865



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.



27.7143, 0.1835, 0.1805



27.8970, 0.1834, 0.1802



7.7154, 0.1512, 0.0642



19.1094, 0.2979, 0.3186



14.8791, 0.1841, 0.1828



1.6655, 0.1892, 0.2010

Inverse Universe

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



23.1587, 0.4679, 0.2352



23.3474, 0.4683, 0.2353



79.2903, 0.4350, 0.4928



18.1619, 0.3204, 0.3154



12.2300, 0.4652, 0.2336



1.2127, 0.4441, 0.2220

Previews

White Background



This preview shows how the Yxy color 27.7135, 0.1835, 0.1805 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 27.7135, 0.1835, 0.1805 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

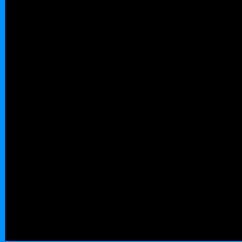
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

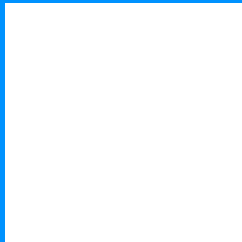
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 27.7135, 0.1835, 0.1805

Background



This preview shows how black text looks on a background with the Yxy color 27.7135, 0.1835, 0.1805.



This preview shows how white text looks on a background with the Yxy color 27.7135, 0.1835, 0.1805.

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

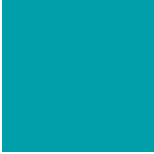
27.7135, 0.1835, 0.1805

Protanopia

27.5603, 0.2044, 0.1839

Deuteranopia

27.7816, 0.1865, 0.1802



Tritanopia

27.6608, 0.2196, 0.3106

Trichromacy



Original Color

27.7135, 0.1835, 0.1805

Protanomaly

27.2088, 0.1917, 0.1812

Deuteranomaly

27.5887, 0.1847, 0.1797

Tritanomaly

27.2813, 0.2035, 0.2526

Monochromacy



Original Color

27.7135, 0.1835, 0.1805

Achromatopsia

17.1441, 0.3127, 0.3290

Achromatomaly

19.0914, 0.2278, 0.2544

CSS Examples

Text

The CSS property to change the color of the text to Yxy 27.7135, 0.1835, 0.1805 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(0, 146, 254)` looks like.

```
.text, #text, p{  
  color:rgb(0, 146, 254)  
}
```

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(0, 146, 254) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 146, 254) }
```

Border

The CSS property to change the border of an element to Yxy 27.7135, 0.1835, 0.1805 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(0, 146, 254) }
```

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

```
.border{ border-color:rgb(0, 146, 254) }
```

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

Here you see how a box with a 4 pixel rgb(0, 146, 254) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 146, 254); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 146, 254);  
box-shadow:4px 4px 4px 4px rgb(0, 146,  
254) }
```


Background

The CSS property to change the background color of an element to Yxy 27.7135, 0.1835, 0.1805 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 146, 254) }
```

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

```
.background{ background-color: rgb(0, 146,  
254) }
```

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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