

Converting Colors

$Y_{xy}(27.8255, 0.1852, 0.1795)$

Have a look what the booklet for
Yxy(27.8255, 0.1852, 0.1795)
contains.

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Color

Yxy(27.7177, 0.1851, 0.1790)

Conversions

Conversions Part 1

Format	Color
Hex	1C91FF
RGB	28, 145, 255
RGB Percent	11%, 57%, 100%
CMY	0.8891, 0.4314, 0.0000
CMYK	0.89, 0.43, 0.00, 0.00
HSL	209°, 100%, 56%
HSV	209°, 89%, 100%
XYZ	28.6623, 27.7177, 98.4675
YIQ	122.5570, -105.0420, 9.4060

Conversions

Conversions Part 2

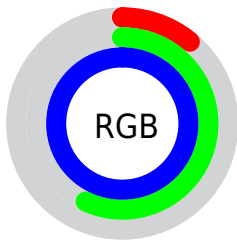
Format	Color
R _Y B	28, 105, 255
Decimal	1872383
CIE Lab	59.63, 9.29, -63.01
CIE LCh	60, 63.688, 278.389
Yxy	27.7177, 0.1851, 0.1790
Android (android.graphics.Color)	4280062463 (0xFF1C91FF)
YUV	122.5570, 65.2944, -82.9265
Hunter-Lab	52.6476, 5.0452, -74.0376

Details

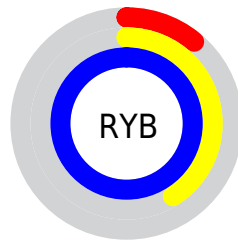
The Yxy color **27.7177, 0.1851, 0.1790** is a dark color, and the websafe version is hex **3399FF**. The color can be described as middle washed azure. A complement of this color would be **39.6049, 0.5254, 0.4113**, and the grayscale version is **19.4868, 0.3127, 0.3290**.

A 20% lighter version of the original color is **51.4597, 0.2294, 0.2582**, and **12.3970, 0.1758, 0.1528** is the 20% darker color. If you saturate the color by 10%, you get **23.9067, 0.1783, 0.1614**, and if you desaturate by 10%, it is **32.2333, 0.1943, 0.1977**.

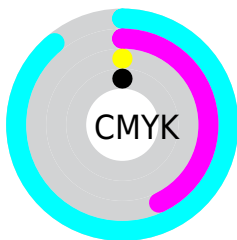
Distribution



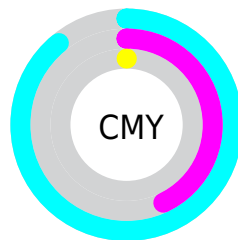
- Red (11%)
- Green (57%)
- Blue (100%)



- Red (11%)
- Yellow (41%)
- Blue (100%)



- Cyan (89%)
- Magenta (43%)
- Yellow (0%)
- Black (0%)




- Cyan (89%)
- Magenta (43%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 27.7177, 0.1851, 0.1790 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 27.7177, 0.1851, 0.1790 by changing the saturation by 10% instead.


 27.7177, 0.1851,
0.1790


 27.7177, 0.1851,
0.1790


291.1155, 0.2490,
0.2520


 18.1130, 0.1701,
0.1625


 56.0334, 0.2078,
0.2045

 11.0311, 0.1518,
0.1425


 75.5132, 0.2165,
0.2144

 6.0878, 0.1292,
0.1183


 99.0534, 0.2239,
0.2229

 2.8985, 0.1014,
0.0894

 127.0385, 0.2303,
0.2303

 1.0790, 0.0682,
0.0563

 159.8529, 0.2359,
0.2368

 0.0000, 0.0186,
0.0000

197.8809, 0.2408,

 0.0000, 0.0000,

0.2424

0.0000

241.5070, 0.2451,
0.2475

■ 27.7177, 0.1851,
0.1790

■ 27.7177, 0.1851,
0.1790

■ 23.9067, 0.1783,
0.1614

■ 32.2333, 0.1943,
0.1977

■ 23.5241, 0.1776,
0.1595

■ 37.5429, 0.2057,
0.2168

■ 43.7085, 0.2192,
0.2360

■ 50.7843, 0.2341,
0.2546

■ 58.8192, 0.2501,
0.2724

■ 67.8574, 0.2664,
0.2890

■ 77.9402, 0.2828,
0.3042

■ 89.1060, 0.2989,
0.3179

■ 100.0000, 0.3127,
0.3290

Harmonies

Analogous

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



27.7177, 0.1488, 0.1958



27.7177, 0.1851, 0.1790



27.7177, 0.2568, 0.1916

Triad

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



27.7177, 0.1851, 0.1790



27.7177, 0.5158, 0.3539



27.7177, 0.2455, 0.4714

Complementary

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



27.7177, 0.1851, 0.1790



39.6049, 0.5254, 0.4113

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.



27.7177, 0.3392, 0.5261



27.7177, 0.1851, 0.1790



27.7177, 0.4986, 0.4259

Square

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



27.7177, 0.1851, 0.1790



27.7177, 0.4631, 0.2868



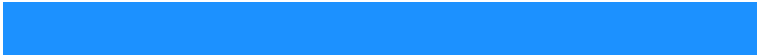
27.7177, 0.4310, 0.4946



27.7177, 0.1759, 0.3524

Rectangle

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



27.7177, 0.1851, 0.1790



27.7177, 0.3233, 0.2143



27.7177, 0.4310, 0.4946



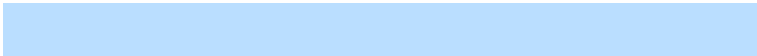
27.7177, 0.2754, 0.5002

Sweetspot

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



27.7169, 0.1851, 0.1790



69.7039, 0.2696, 0.2920



73.6016, 0.2713, 0.4891



14.2197, 0.2639, 0.2866



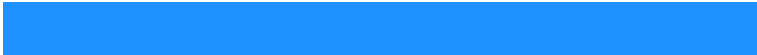
0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



27.7169, 0.1851, 0.1790



23.5241, 0.1776, 0.1595



8.5065, 0.1552, 0.0693



18.9243, 0.2979, 0.3172



12.5923, 0.1784, 0.1623



1.4449, 0.1840, 0.1825

Inverse Universe

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



24.1474, 0.4682, 0.2417



22.9059, 0.4937, 0.2494



90.4778, 0.4198, 0.4997



18.1432, 0.3213, 0.3168



11.9992, 0.4902, 0.2474



1.1904, 0.4656, 0.2338

Previews

White Background



This preview shows how the Yxy color 27.7177, 0.1851, 0.1790 looks on a white background.

Color Contrast Check

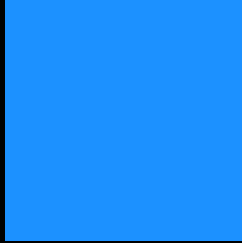
Large Text (above 18pt) WCAG AA ✓ Pass

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 27.7177, 0.1851, 0.1790 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

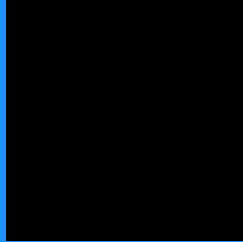
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

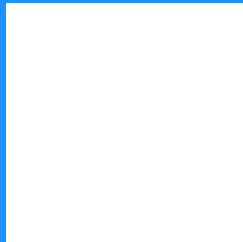
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 27.7177, 0.1851, 0.1790

Background



This preview shows how black text looks on a background with the Yxy color 27.7177, 0.1851, 0.1790.



This preview shows how white text looks on a background with the Yxy color 27.7177, 0.1851, 0.1790.

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

27.7177, 0.1851, 0.1790

Protanopia

27.6319, 0.2032, 0.1820

Deuteranopia

27.7621, 0.1855, 0.1792



Tritanopia

27.3183, 0.2191, 0.3087

Trichromacy



Original Color

27.7177, 0.1851, 0.1790

Protanomaly

27.2800, 0.1938, 0.1799

Deuteranomaly

27.7468, 0.1853, 0.1791

Tritanomaly

27.0171, 0.2038, 0.2509

Monochromacy



Original Color

27.7177, 0.1851, 0.1790

Achromatopsia

19.8069, 0.3127, 0.3290

Achromatomaly

21.2967, 0.2374, 0.2582

CSS Examples

Text

The CSS property to change the color of the text to Yxy 27.7177, 0.1851, 0.1790 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(28, 145, 255)` looks like.

```
.text, #text, p{  
    color:rgb(28, 145, 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(28, 145, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(28, 145, 255) }
```

Border

The CSS property to change the border of an element to Yxy 27.7177, 0.1851, 0.1790 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(28, 145, 255) }
```

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

```
.border{ border-color:rgb(28, 145, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(28, 145, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(28, 145, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(28, 145, 255);  
box-shadow:4px 4px 4px 4px rgb(28, 145,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 27.7177, 0.1851, 0.1790 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(28, 145, 255) }
```

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

```
.background{ background-color: rgb(28, 145,  
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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