

Converting Colors

$Y_{xy}(28.5360, 0.1848, 0.1830)$

Have a look what the booklet for
Yxy(28.5360, 0.1848, 0.1830)
contains.

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Color

Yxy(28.4780, 0.1847, 0.1827)

Conversions

Conversions Part 1

Format	Color
Hex	0C94FF
RGB	12, 148, 255
RGB Percent	5%, 58%, 100%
CMY	0.9544, 0.4196, 0.0000
CMYK	0.95, 0.42, 0.00, 0.00
HSL	206°, 100%, 52%
HSV	206°, 95%, 100%
XYZ	28.7897, 28.4780, 98.6053
YIQ	119.5340, -115.4030, 4.4450

Conversions

Conversions Part 2

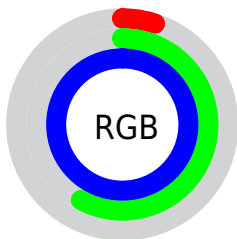
Format	Color
R _Y B	12, 99, 255
Decimal	824575
CIE Lab	60.32, 6.83, -61.92
CIE LCh	60, 62.291, 276.299
Yxy	28.4780, 0.1847, 0.1827
Android (android.graphics.Color)	4279014655 (0xFF0C94FF)
YUV	119.5340, 66.7847, -94.3073
Hunter-Lab	53.3648, 2.9105, -72.1983

Details

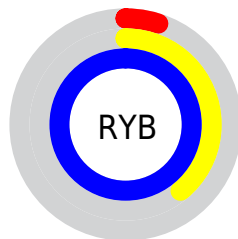
The Yxy color **28.4780, 0.1847, 0.1827** is a dark color, and the websafe version is hex **3399FF**. The color can be described as middle saturated azure. A complement of this color would be **34.3887, 0.5520, 0.3967**, and the grayscale version is **18.4015, 0.3127, 0.3290**.

A 20% lighter version of the original color is **52.5707, 0.2285, 0.2618**, and **12.8126, 0.1765, 0.1553** is the 20% darker color. If you saturate the color by 10%, you get **26.8337, 0.1821, 0.1754**, and if you desaturate by 10%, it is **32.4867, 0.1918, 0.1993**.

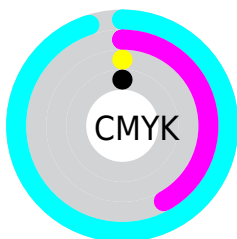
Distribution



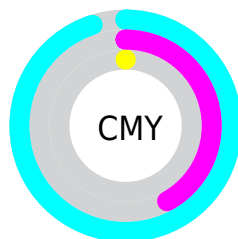
- Red (5%)
- Green (58%)
- Blue (100%)



- Red (5%)
- Yellow (39%)
- Blue (100%)



- Cyan (95%)
- Magenta (42%)
- Yellow (0%)
- Black (0%)





- Cyan (95%)
- Magenta (42%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 28.4780, 0.1847, 0.1827 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 28.4780, 0.1847, 0.1827 by changing the saturation by 10% instead.


 28.4780, 0.1847,
0.1827


 28.4780, 0.1847,
0.1827


294.7440, 0.2485,
0.2541


 18.6863, 0.1698,
0.1664


 57.2467, 0.2073,
0.2077


 11.4438, 0.1516,
0.1467


 76.9925, 0.2160,
0.2174


 6.3662, 0.1291,
0.1228


 100.8251, 0.2234,
0.2257

 3.0690, 0.1015,
0.0939

 129.1288, 0.2298,
0.2329

 1.1679, 0.0685,
0.0605

 162.2882, 0.2354,
0.2392

 0.0352, 0.0197,
0.0035

200.6876, 0.2403,

 0.0000, 0.0000,

0.2448

0.0000

244.7114, 0.2446,
0.2497

■ 28.4780, 0.1847,
0.1827

■ 28.4780, 0.1847,
0.1827

■ 26.8337, 0.1821,
0.1754

■ 32.4867, 0.1918,
0.1993

■ 37.1745, 0.2011,
0.2165

■ 42.6086, 0.2127,
0.2339

■ 48.8453, 0.2261,
0.2511

■ 55.9335, 0.2408,
0.2676

■ 63.9173, 0.2564,
0.2832

■ 72.8372, 0.2724,
0.2977

■ 82.7307, 0.2885,
0.3110

■ 93.6327, 0.3043,
0.3230

Harmonies

Analogous

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



28.4780, 0.1512, 0.2017



28.4780, 0.1847, 0.1827



28.4780, 0.2525, 0.1931

Triad

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



28.4780, 0.1847, 0.1827



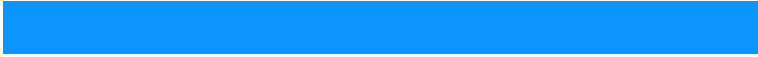
28.4780, 0.5086, 0.3495



28.4780, 0.2538, 0.4728

Complementary

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



28.4780, 0.1847, 0.1827



34.3887, 0.5520, 0.3967

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.



28.4780, 0.3460, 0.5200



28.4780, 0.1847, 0.1827



28.4780, 0.4972, 0.4197

Square

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



28.4780, 0.1847, 0.1827



28.4780, 0.4527, 0.2839



28.4780, 0.4345, 0.4868



28.4780, 0.1832, 0.3602

Rectangle

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



28.4780, 0.1847, 0.1827



28.4780, 0.3159, 0.2143



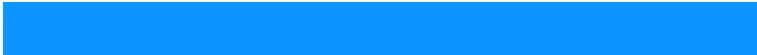
28.4780, 0.4345, 0.4868



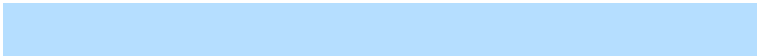
28.4780, 0.2835, 0.4988

Sweetspot

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



28.4774, 0.1847, 0.1827



69.5529, 0.2667, 0.2927



72.8819, 0.2777, 0.5174



14.0789, 0.2598, 0.2865



0.0000, 0.0000, 0.0000



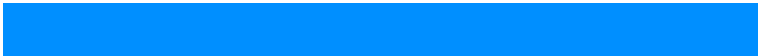
21.4041, 0.3127, 0.3290

Same Dimension

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



28.4774, 0.1847, 0.1827



26.8337, 0.1821, 0.1754



8.1189, 0.1526, 0.0666



19.0665, 0.2979, 0.3183



14.3239, 0.1828, 0.1780



1.6124, 0.1880, 0.1967

Inverse Universe

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



23.6523, 0.4649, 0.2354



23.2400, 0.4741, 0.2385



82.8870, 0.4304, 0.4948



18.1576, 0.3206, 0.3158



12.1740, 0.4709, 0.2368



1.2073, 0.4490, 0.2247

Previews

White Background



This preview shows how the Yxy color 28.4780, 0.1847, 0.1827 looks on a white background.

Color Contrast Check

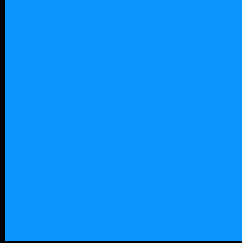
Large Text (above 18pt) WCAG AA ✓ Pass

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 28.4780, 0.1847, 0.1827 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

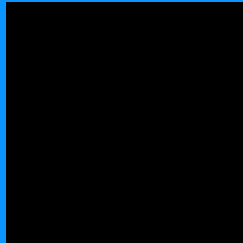
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

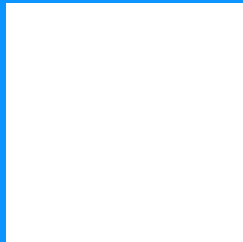
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 28.4780, 0.1847, 0.1827

Background



This preview shows how black text looks on a background with the Yxy color 28.4780, 0.1847, 0.1827.



This preview shows how white text looks on a background with the Yxy color 28.4780, 0.1847, 0.1827.

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

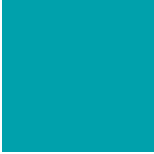
28.4780, 0.1847, 0.1827

Protanopia

28.3685, 0.2060, 0.1862

Deuteranopia

28.3586, 0.1884, 0.1814



Tritanopia

28.4683, 0.2192, 0.3090

Trichromacy



Original Color

28.4780, 0.1847, 0.1827

Protanomaly

28.0698, 0.1939, 0.1837

Deuteranomaly

28.4275, 0.1867, 0.1821

Tritanomaly

28.0670, 0.2040, 0.2534

Monochromacy



Original Color

28.4780, 0.1847, 0.1827

Achromatopsia

18.4475, 0.3127, 0.3290

Achromatomaly

20.4979, 0.2327, 0.2598

CSS Examples

Text

The CSS property to change the color of the text to Yxy 28.4780, 0.1847, 0.1827 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(12, 148, 255)` looks like.

```
.text, #text, p{  
    color:rgb(12, 148, 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(12, 148, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(12, 148, 255) }
```

Border

The CSS property to change the border of an element to Yxy 28.4780, 0.1847, 0.1827 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(12, 148, 255) }
```

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

```
.border{ border-color:rgb(12, 148, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(12, 148, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(12, 148, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(12, 148, 255);  
box-shadow:4px 4px 4px 4px rgb(12, 148,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 28.4780, 0.1847, 0.1827 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(12, 148, 255) }
```

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

```
.background{ background-color: rgb(12, 148,  
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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