

Converting Colors

$Y_{xy}(28.1233, 0.1845, 0.1827)$

Have a look what the booklet for
Yxy(28.1233, 0.1845, 0.1827)
contains.

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Color

Yxy(28.0748, 0.1843, 0.1821)

Conversions

Conversions Part 1

| Format | Color |
|-------------|-----------------------------|
| Hex | 0793FE |
| RGB | 7, 147, 254 |
| RGB Percent | 3%, 58%, 100% |
| CMY | 0.9720, 0.4234, 0.0039 |
| CMYK | 0.97, 0.42, 0.00, 0.00 |
| HSL | 206°, 99%, 51% |
| HSV | 206°, 97%, 100% |
| XYZ | 28.4140, 28.0748, 97.6837 |
| YIQ | 117.3380, -117.7870, 3.5970 |

Conversions

Conversions Part 2

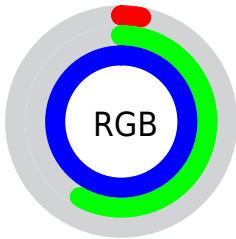
| Format | Color |
|-------------------------------------|--------------------------------|
| RYB | 7, 96, 254 |
| Decimal | 496638 |
| CIELab | 59.96, 6.93, -61.93 |
| CIELCh | 60, 62.320, 276.381 |
| Yxy | 28.0748, 0.1843, 0.1821 |
| Android (android.graphics.Color) | 4278686718 (0xFF0793FE) |
| YUV | 117.3380, 67.3744, -96.7664 |
| Hunter-Lab | 52.9857, 2.9971, -72.2163 |

Details

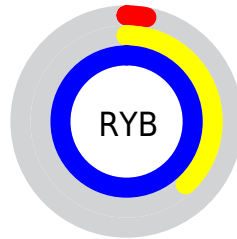
The Yxy color **28.0748, 0.1843, 0.1821** is a dark color, and the websafe version is hex **3399FF**. The color can be described as middle saturated azure. A complement of this color would be **33.1462, 0.5574, 0.3936**, and the grayscale version is **17.7315, 0.3127, 0.3290**.

A 20% lighter version of the original color is **52.0393, 0.2278, 0.2604**, and **12.5806, 0.1763, 0.1545** is the 20% darker color. If you saturate the color by 10%, you get **27.0801, 0.1827, 0.1776**, and if you desaturate by 10%, it is **31.9346, 0.1909, 0.1984**.

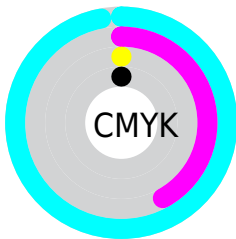
Distribution



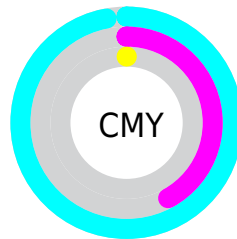
- Red (3%)
- Green (58%)
- Blue (100%)



- Red (3%)
- Yellow (38%)
- Blue (100%)



- Cyan (97%)
- Magenta (42%)
- Yellow (0%)
- Black (0%)





- Cyan (97%)
- Magenta (42%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 28.0748, 0.1843, 0.1821 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 28.0748, 0.1843, 0.1821 by changing the saturation by 10% instead.


 28.0748, 0.1843,
0.1821


 28.0748, 0.1843,
0.1821


292.8242, 0.2484,
0.2539


 18.3821, 0.1693,
0.1657


 56.6038, 0.2070,
0.2072

 11.2246, 0.1510,
0.1459


 76.2089, 0.2158,
0.2170

 6.2181, 0.1283,
0.1218


 99.8869, 0.2232,
0.2254

 2.9782, 0.1005,
0.0927

 128.0222, 0.2297,
0.2326

 1.1203, 0.0674,
0.0592

 160.9992, 0.2353,
0.2390

 0.0000, 0.0166,
0.0000

199.2022, 0.2402,

 0.0000, 0.0000,

0.2446

0.0000

243.0158, 0.2446,
0.2495

■ 28.0748, 0.1843,
0.1821

■ 28.0748, 0.1843,
0.1821

■ 27.0801, 0.1827,
0.1776

■ 31.9346, 0.1909,
0.1984

■ 36.4422, 0.1998,
0.2153

■ 41.6694, 0.2109,
0.2324

■ 47.6730, 0.2239,
0.2494

■ 54.5023, 0.2383,
0.2658

■ 62.2014, 0.2537,
0.2813

■ 70.8106, 0.2697,
0.2958

■ 80.3669, 0.2857,
0.3091

■ 90.9054, 0.3016,
0.3211

Harmonies

Analogous

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



28.0748, 0.1506, 0.2011



28.0748, 0.1843, 0.1821



28.0748, 0.2524, 0.1926

Triad

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



28.0748, 0.1843, 0.1821



28.0748, 0.5097, 0.3496



28.0748, 0.2532, 0.4735

Complementary

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



28.0748, 0.1843, 0.1821



33.1462, 0.5574, 0.3936

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.



28.0748, 0.3457, 0.5211



28.0748, 0.1843, 0.1821



28.0748, 0.4978, 0.4201

Square

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



28.0748, 0.1843, 0.1821



28.0748, 0.4536, 0.2838



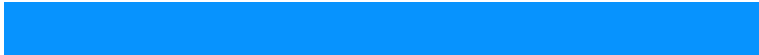
28.0748, 0.4347, 0.4876



28.0748, 0.1824, 0.3600

Rectangle

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



28.0748, 0.1843, 0.1821



28.0748, 0.3162, 0.2139



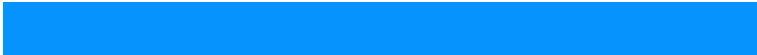
28.0748, 0.4347, 0.4876



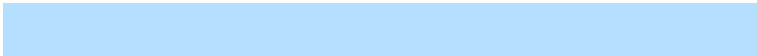
28.0748, 0.2830, 0.4997

Sweetspot

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



28.0756, 0.1843, 0.1821



69.8005, 0.2667, 0.2932



72.1448, 0.2784, 0.5207



14.1380, 0.2599, 0.2871



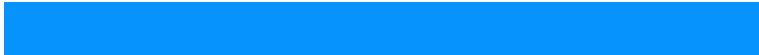
0.0000, 0.0000, 0.0000



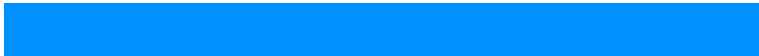
21.4041, 0.3127, 0.3290

Same Dimension

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



28.0756, 0.1843, 0.1821



27.3172, 0.1827, 0.1776



7.8383, 0.1519, 0.0651



19.0862, 0.2979, 0.3184



14.5764, 0.1834, 0.1802



1.6366, 0.1885, 0.1987

Inverse Universe

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



23.3324, 0.4658, 0.2351



23.2888, 0.4714, 0.2371



81.9669, 0.4309, 0.4950



18.1596, 0.3205, 0.3156



12.1995, 0.4683, 0.2353



1.2098, 0.4468, 0.2235

Previews

White Background



This preview shows how the Yxy color 28.0748, 0.1843, 0.1821 looks on a white background.

Color Contrast Check

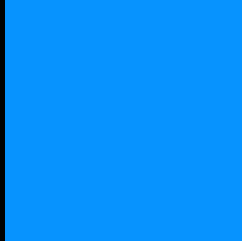
Large Text (above 18pt) WCAG AA ✓ Pass

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 28.0748, 0.1843, 0.1821 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

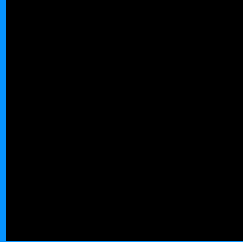
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

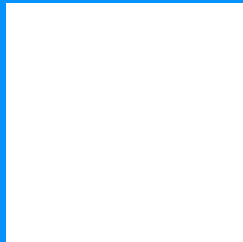
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 28.0748, 0.1843, 0.1821

Background



This preview shows how black text looks on a background with the Yxy color 28.0748, 0.1843, 0.1821.

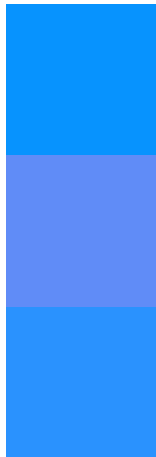


This preview shows how white text looks on a background with the Yxy color 28.0748, 0.1843, 0.1821.

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

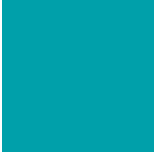
28.0684, 0.1843, 0.1821

Protanopia

27.9584, 0.2056, 0.1855

Deuteranopia

28.2058, 0.1879, 0.1820



Tritanopia

28.0439, 0.2196, 0.3107

Trichromacy



Original Color

28.0684, 0.1843, 0.1821

Protanomaly

27.6370, 0.1932, 0.1829

Deuteranomaly

27.9747, 0.1858, 0.1813

Tritanomaly

27.6791, 0.2038, 0.2530

Monochromacy



Original Color

28.0684, 0.1843, 0.1821

Achromatopsia

17.7888, 0.3127, 0.3290

Achromatomaly

19.8061, 0.2306, 0.2572

CSS Examples

Text

The CSS property to change the color of the text to Yxy 28.0748, 0.1843, 0.1821 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(7, 147, 254)` looks like.

```
.text, #text, p{  
    color:rgb(7, 147, 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(7, 147, 254) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(7, 147, 254) }
```

Border

The CSS property to change the border of an element to Yxy 28.0748, 0.1843, 0.1821 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(7, 147, 254) }
```

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

```
.border{ border-color:rgb(7, 147, 254) }
```

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

Here you see how a box with a 4 pixel rgb(7, 147, 254) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(7, 147, 254); -webkit-box-  
shadow:4px 4px 4px 4px rgb(7, 147, 254);  
box-shadow:4px 4px 4px 4px rgb(7, 147,  
254) }
```


Background

The CSS property to change the background color of an element to Yxy 28.0748, 0.1843, 0.1821 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(7, 147, 254) }
```

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

```
.background{ background-color: rgb(7, 147,  
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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