

# Converting Colors

$Yxy(27.5078, 0.1837, 0.1813)$

Have a look what the booklet for  
Yxy(27.5078, 0.1837, 0.1813)  
contains.

<b>Yxy(27.5860, 0.1840, 0.1822)</b> .....	3
<b>Conversions</b> .....	4
<b>Details</b> .....	6
<b>Harmonies</b> .....	12
<b>Previews</b> .....	24
<b>Color Blindness Simulation</b> .....	27
<b>CSS Examples</b> .....	30

# Color

**Yxy(27.5860, 0.1840, 0.1822)**

# Conversions

## Conversions Part 1

Format	Color
Hex	0192FC
RGB	1, 146, 252
RGB Percent	0%, 57%, 99%
CMY	0.9965, 0.4275, 0.0117
CMYK	1.00, 0.42, 0.00, 0.01
HSL	205°, 99%, 50%
HSV	205°, 100%, 99%
XYZ	27.8585, 27.5860, 95.9605
YIQ	114.7290, -120.4460, 2.2260

# Conversions

## Conversions Part 2

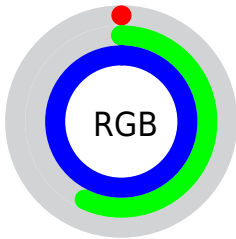
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	1, 93, 252
Decimal	103164
CIE Lab	59.51, 6.64, -61.56
CIE LCh	60, 61.915, 276.161
Yxy	27.5860, 0.1840, 0.1822
Android (android.graphics.Color)	4278293244 (0xFF0192FC)
YUV	114.7290, 67.6746, -99.7403
Hunter-Lab	52.5224, 2.7645, -71.5596

# Details

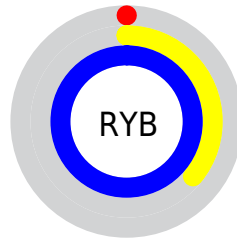
The Yxy color **27.5860, 0.1840, 0.1822** is a dark color, and the websafe version is hex **3399FF**. The color can be described as middle saturated azure. A complement of this color would be **31.1997, 0.5657, 0.3887**, and the grayscale version is **16.8646, 0.3127, 0.3290**.

A 20% lighter version of the original color is **51.4464, 0.2267, 0.2590**, and **12.3059, 0.1763, 0.1546** is the 20% darker color. If you saturate the color by 10%, you get **27.4644, 0.1838, 0.1816**, and if you desaturate by 10%, it is **31.2362, 0.1901, 0.1980**.

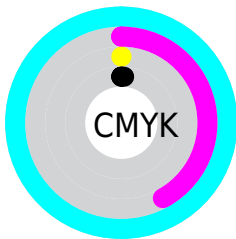
# Distribution



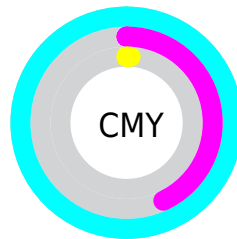
- Red (0%)
- Green (57%)
- Blue (99%)



- Red (0%)
- Yellow (36%)
- Blue (99%)



- Cyan (100%)
- Magenta (42%)
- Yellow (0%)
- Black (1%)




- Cyan (100%)
- Magenta (43%)
- Yellow (1%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 27.5860, 0.1840, 0.1822 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 27.5860, 0.1840, 0.1822 by changing the saturation by 10% instead.





 27.5860, 0.1840,  
0.1822


 27.5860, 0.1840,  
0.1822


290.4833, 0.2484,  
0.2542

 18.0138, 0.1689,  
0.1657


 55.8228, 0.2069,  
0.2075

 10.9599, 0.1504,  
0.1457


 75.2562, 0.2157,  
0.2172

 6.0399, 0.1275,  
0.1214


 98.7454, 0.2232,  
0.2256

 2.8693, 0.0994,  
0.0921

 126.6749, 0.2296,  
0.2329

 1.0639, 0.0660,  
0.0582

 159.4291, 0.2353,  
0.2393

 0.0000, 0.0117,  
0.0000

197.3923, 0.2402,

 0.0000, 0.0000,

0.2449

0.0000

240.9489, 0.2446,  
0.2498

■ 27.5860, 0.1840,  
0.1822

■ 27.5860, 0.1840,  
0.1822

■ 27.4644, 0.1838,  
0.1816

■ 31.2362, 0.1901,  
0.1980

■ 35.4745, 0.1983,  
0.2143

■ 40.3887, 0.2087,  
0.2310

■ 46.0361, 0.2211,  
0.2475

■ 52.4660, 0.2350,  
0.2636

■ 59.7221, 0.2501,  
0.2790

■ 67.8441, 0.2659,  
0.2933

■ 76.8688, 0.2818,  
0.3065

■ 86.8303, 0.2977,  
0.3186

# Harmonies

## Analogous

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



27.5860, 0.1506, 0.2014



27.5860, 0.1840, 0.1822



27.5860, 0.2518, 0.1925

# Triad

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



27.5860, 0.1840, 0.1822



27.5860, 0.5094, 0.3491



27.5860, 0.2539, 0.4740

# Complementary

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



27.5860, 0.1840, 0.1822



31.1997, 0.5657, 0.3887

# 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.



27.5860, 0.3464, 0.5210



27.5860, 0.1840, 0.1822



27.5860, 0.4980, 0.4196

# Square

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



27.5860, 0.1840, 0.1822



27.5860, 0.4529, 0.2834



27.5860, 0.4352, 0.4871



27.5860, 0.1829, 0.3609



# Rectangle

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



27.5860, 0.1840, 0.1822



27.5860, 0.3154, 0.2137



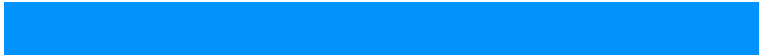
27.5860, 0.4352, 0.4871



27.5860, 0.2837, 0.5000

# Sweetspot

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



27.5868, 0.1840, 0.1822



69.3588, 0.2653, 0.2928



70.6645, 0.2807, 0.5303



14.0716, 0.2586, 0.2869



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

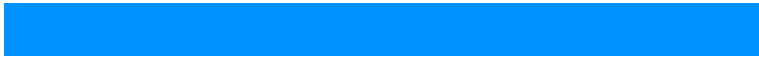


# Same Dimension

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



27.5868, 0.1840, 0.1822



28.1900, 0.1838, 0.1816



7.6019, 0.1513, 0.0644



18.3087, 0.2980, 0.3187



14.6034, 0.1845, 0.1843



1.5624, 0.1898, 0.2032



# Inverse Universe

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



22.7918, 0.4659, 0.2342



23.3769, 0.4667, 0.2345



77.8990, 0.4349, 0.4927



17.3934, 0.3203, 0.3154



11.8851, 0.4635, 0.2327

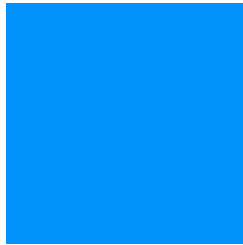


1.1220, 0.4417, 0.2207



# Previews

## White Background



This preview shows how the Yxy color 27.5860, 0.1840, 0.1822 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

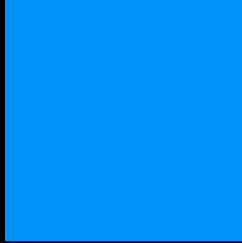
Any Text WCAG AA ✗ Fail

Large Text (above 18pt) WCAG AAA ✗ Fail

Any Text WCAG AAA ✗ Fail



# Black Background



This preview shows how the Yxy color 27.5860, 0.1840, 0.1822 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

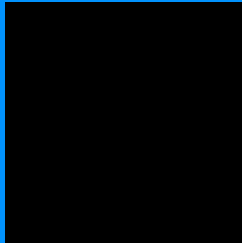
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

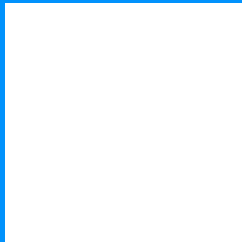
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 27.5860, 0.1840, 0.1822**

## **Background**



This preview shows how black text looks on a background with the Yxy color 27.5860, 0.1840, 0.1822.



This preview shows how white text looks on a background with the Yxy color 27.5860, 0.1840, 0.1822.

# 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

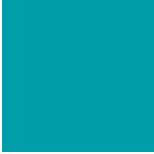
27.5925, 0.1840, 0.1822

### Protanopia

27.5446, 0.2061, 0.1859

### Deuteranopia

27.7713, 0.1880, 0.1823



## **Tritanopia**

27.3183, 0.2191, 0.3087

# Trichromacy



**Original Color**

27.5925, 0.1840, 0.1822

**Protanomaly**

27.1154, 0.1926, 0.1830

**Deuteranomaly**

27.5121, 0.1857, 0.1815

**Tritanomaly**

27.2347, 0.2039, 0.2540

# Monochromacy



**Original Color**

27.5925, 0.1840, 0.1822

**Achromatopsia**

17.1441, 0.3127, 0.3290

**Achromatomaly**

19.0942, 0.2290, 0.2561

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 27.5860, 0.1840, 0.1822 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(1, 146, 252)` looks like.

```
.text, #text, p{  
    color:rgb(1, 146, 252)  
}
```

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(1, 146, 252) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(1, 146, 252) }
```

## Border

The CSS property to change the border of an element to Yxy 27.5860, 0.1840, 0.1822 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(1, 146, 252) }
```

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

```
.border{ border-color:rgb(1, 146, 252) }
```

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

Here you see how a box with a 4 pixel `rgb(1, 146, 252)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(1, 146, 252); -webkit-box-  
shadow:4px 4px 4px 4px rgb(1, 146, 252);  
box-shadow:4px 4px 4px 4px rgb(1, 146,  
252) }
```



# Background

The CSS property to change the background color of an element to Yxy 27.5860, 0.1840, 0.1822 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(1, 146, 252) }
```

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

```
.background{ background-color: rgb(1, 146,  
252) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

**[Learn more, Memberships starting at \\$2.50/m!](#)**

**Follow me  
on Twitter!**

@ConvertingColor