

# Converting Colors

$Y_{xy}(14.8798, 0.0384, 0.1305)$

Have a look what the booklet for  
Yxy(14.8798, 0.0384, 0.1305)  
contains.

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# Color

**Yxy(26.6732, 0.1828, 0.1780)**

# Conversions

## Conversions Part 1

Format	Color
Hex	008FFC
RGB	0, 143, 252
RGB Percent	0%, 56%, 99%
CMY	0.9989, 0.4392, 0.0118
CMYK	1.00, 0.43, 0.00, 0.01
HSL	206°, 100%, 49%
HSV	206°, 100%, 99%
XYZ	27.3925, 26.6732, 95.7838
YIQ	112.6690, -120.2170, 3.5830

# Conversions

## Conversions Part 2

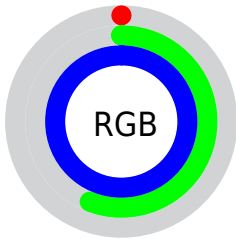
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	0, 91, 252
Decimal	36860
CIE Lab	58.67, 8.41, -62.89
CIE LCh	59, 63.452, 277.619
Yxy	26.6732, 0.1828, 0.1780
Android (android.graphics.Color)	4278226940 (0xFF008FFC)
YUV	112.6690, 68.6902, -98.8107
Hunter-Lab	51.6461, 4.2936, -73.8080

# Details

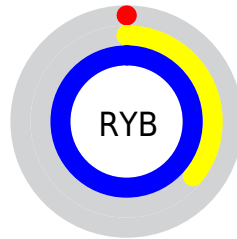
The Yxy color **26.6732, 0.1828, 0.1780** is a dark color, and the websafe version is hex **3399FF**. The color can be described as dark saturated azure. A complement of this color would be **31.6835, 0.5631, 0.3910**, and the grayscale version is **16.2554, 0.3127, 0.3290**.

A 20% lighter version of the original color is **50.0794, 0.2258, 0.2550**, and **11.9455, 0.1753, 0.1512** is the 20% darker color. If you saturate the color by 10%, you get **26.6370, 0.1827, 0.1778**, and if you desaturate by 10%, it is **30.3214, 0.1890, 0.1941**.

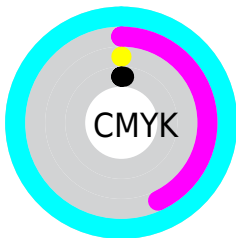
# Distribution



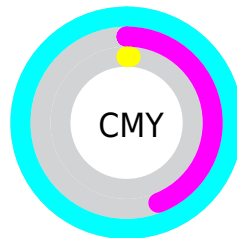
- Red (0%)
- Green (56%)
- Blue (99%)



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



- Cyan (100%)
- Magenta (43%)
- Yellow (0%)
- Black (1%)



- Cyan (100%)
- Magenta (44%)
- Yellow (1%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 26.6732, 0.1828, 0.1780 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 26.6732, 0.1828, 0.1780 by changing the saturation by 10% instead.





 26.6732, 0.1828,  
0.1780


 26.6732, 0.1828,  
0.1780


286.0713, 0.2481,  
0.2519

 17.3279, 0.1675,  
0.1612


 54.3590, 0.2060,  
0.2039


 10.4686, 0.1487,  
0.1408


 73.4684, 0.2149,  
0.2139


 5.7107, 0.1255,  
0.1162


 96.6012, 0.2225,  
0.2226

 2.6700, 0.0972,  
0.0867

 124.1419, 0.2291,  
0.2300

 0.9620, 0.0636,  
0.0533

 156.4748, 0.2348,  
0.2366

 0.0000, 0.0070,  
0.0000

193.9845, 0.2398,

 0.0000, 0.0000,

0.2423

0.0000

237.0552, 0.2442,  
0.2474

■ 26.6732, 0.1828,  
0.1780

■ 26.6732, 0.1828,  
0.1780

■ 26.6370, 0.1827,  
0.1778

■ 30.3214, 0.1890,  
0.1941

■ 34.5678, 0.1972,  
0.2108

■ 39.5030, 0.2078,  
0.2279

■ 45.1855, 0.2203,  
0.2449

■ 51.6652, 0.2343,  
0.2615

■ 58.9866, 0.2495,  
0.2773

■ 67.1900, 0.2654,  
0.2920

■ 76.3126, 0.2814,  
0.3056

■ 86.3892, 0.2973,  
0.3180

# Harmonies

## Analogous

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



26.6732, 0.1471, 0.1957



26.6732, 0.1828, 0.1780



26.6732, 0.2539, 0.1900

# Triad

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



26.6732, 0.1828, 0.1780



26.6732, 0.5170, 0.3520



26.6732, 0.2471, 0.4754

# Complementary

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



26.6732, 0.1828, 0.1780



31.6835, 0.5631, 0.3910

# 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.



26.6732, 0.3417, 0.5281



26.6732, 0.1828, 0.1780



26.6732, 0.5012, 0.4244

# Square

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



26.6732, 0.1828, 0.1780



26.6732, 0.4622, 0.2847



26.6732, 0.4338, 0.4942



26.6732, 0.1761, 0.3557



# Rectangle

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



26.6732, 0.1828, 0.1780



26.6732, 0.3205, 0.2124



26.6732, 0.4338, 0.4942



26.6732, 0.2773, 0.5039

# Sweetspot

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



26.6740, 0.1828, 0.1780



68.9223, 0.2651, 0.2919



70.6337, 0.2808, 0.5308



13.9680, 0.2584, 0.2858



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

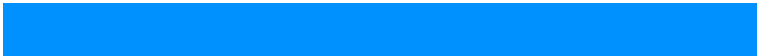


# Same Dimension

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



26.6740, 0.1828, 0.1780



27.3473, 0.1827, 0.1777



7.5743, 0.1512, 0.0642



18.2767, 0.2980, 0.3185



14.1766, 0.1835, 0.1805



1.5237, 0.1889, 0.1998



# Inverse Universe

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



22.6810, 0.4709, 0.2368



23.2919, 0.4713, 0.2370



77.8472, 0.4350, 0.4928



17.3901, 0.3205, 0.3156



11.8420, 0.4679, 0.2351



1.1181, 0.4455, 0.2228



# Previews

## White Background



This preview shows how the Yxy color 26.6732, 0.1828, 0.1780 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

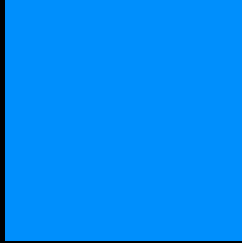
Any Text WCAG AA ✗ Fail

Large Text (above 18pt) WCAG AAA ✗ Fail

Any Text WCAG AAA ✗ Fail



# Black Background



This preview shows how the Yxy color 26.6732, 0.1828, 0.1780 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

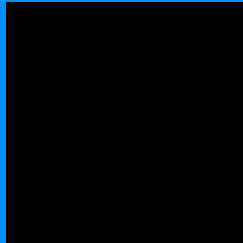
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

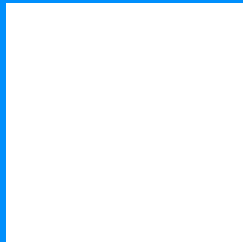
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 26.6732, 0.1828, 0.1780**

## **Background**



This preview shows how black text looks on a background with the Yxy color 26.6732, 0.1828, 0.1780.



This preview shows how white text looks on a background with the Yxy color 26.6732, 0.1828, 0.1780.

# 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

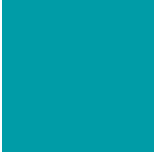
26.6732, 0.1828, 0.1780

### Protanopia

26.7693, 0.2028, 0.1816

### Deuteranopia

26.8438, 0.1844, 0.1785



## **Tritanopia**

26.5670, 0.2190, 0.3085

# Trichromacy



**Original Color**

26.6732, 0.1828, 0.1780

**Protanomaly**

26.1421, 0.1907, 0.1785

**Deuteranomaly**

26.7666, 0.1836, 0.1783

**Tritanomaly**

26.2104, 0.2028, 0.2500

# Monochromacy



**Original Color**

26.6732, 0.1828, 0.1780

**Achromatopsia**

16.5132, 0.3127, 0.3290

**Achromatomaly**

18.4734, 0.2275, 0.2535

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 26.6732, 0.1828, 0.1780 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, 143, 252)` looks like.

```
.text, #text, p{  
    color:rgb(0, 143, 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(0, 143, 252) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 143, 252) }
```

## Border

The CSS property to change the border of an element to Yxy 26.6732, 0.1828, 0.1780 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, 143, 252) }
```

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

```
.border{ border-color:rgb(0, 143, 252) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 143, 252)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 143, 252); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 143, 252);  
box-shadow:4px 4px 4px 4px rgb(0, 143,  
252) }
```



# Background

The CSS property to change the background color of an element to Yxy 26.6732, 0.1828, 0.1780 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 143, 252) }
```

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

```
.background{ background-color: rgb(0, 143,  
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](#).

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