

# Converting Colors

$Yxy(26.6156, 0.1880, 0.1815)$

Have a look what the booklet for  
Yxy(26.6156, 0.1880, 0.1815)  
contains.

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# Color

**Yxy(26.6156, 0.1880, 0.1815)**

# Conversions

## Conversions Part 1

Format	Color
Hex	2A8EF8
RGB	42, 142, 248
RGB Percent	16%, 56%, 97%
CMY	0.8349, 0.4431, 0.0276
CMYK	0.83, 0.43, 0.00, 0.03
HSL	211°, 94%, 57%
HSV	211°, 83%, 97%
XYZ	27.5688, 26.6156, 92.4580
YIQ	124.1840, -93.6260, 11.7660

# Conversions

## Conversions Part 2

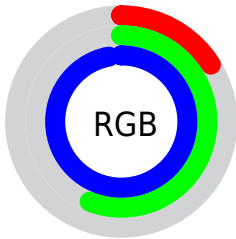
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	42, 109, 248
Decimal	2789112
CIE Lab	58.62, 9.35, -60.74
CIE LCh	59, 61.456, 278.753
Yxy	26.6156, 0.1880, 0.1815
Android (android.graphics.Color)	4280979192 (0xFF2A8EF8)
YUV	124.1840, 61.0413, -72.0754
Hunter-Lab	51.5903, 5.1036, -70.1439

# Details

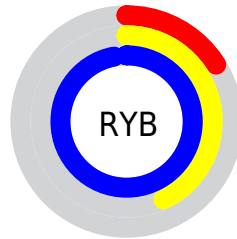
The Yxy color **26.6156, 0.1880, 0.1815** is a dark color, and the websafe version is hex **3399FF**. The color can be described as middle washed azure. A complement of this color would be **41.3179, 0.5043, 0.4191**, and the grayscale version is **20.0474, 0.3127, 0.3290**.

A 20% lighter version of the original color is **50.3878, 0.2304, 0.2546**, and **11.5903, 0.1759, 0.1530** is the 20% darker color. If you saturate the color by 10%, you get **22.6608, 0.1796, 0.1624**, and if you desaturate by 10%, it is **31.3299, 0.1990, 0.2015**.

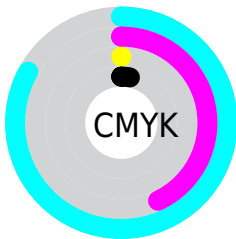
# Distribution



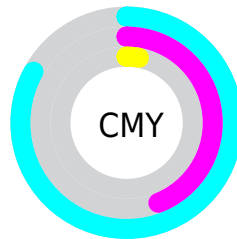
- Red (16%)
- Green (56%)
- Blue (97%)



- Red (16%)
- Yellow (43%)
- Blue (97%)



- Cyan (83%)
- Magenta (43%)
- Yellow (0%)
- Black (3%)




- Cyan (83%)
- Magenta (44%)
- Yellow (3%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 26.6156, 0.1880, 0.1815 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 26.6156, 0.1880, 0.1815 by changing the saturation by 10% instead.





 26.6156, 0.1880,  
0.1815


 26.6156, 0.1880,  
0.1815


285.7911, 0.2511,  
0.2540


 17.2847, 0.1730,  
0.1648


 54.2664, 0.2106,  
0.2070


 10.4377, 0.1545,  
0.1446


 73.3551, 0.2192,  
0.2168

 5.6901, 0.1315,  
0.1200


 96.4653, 0.2265,  
0.2253

 2.6576, 0.1029,  
0.0902

 123.9813, 0.2328,  
0.2326

 0.9557, 0.0685,  
0.0560

 156.2874, 0.2383,  
0.2390

 0.0000, 0.0095,  
0.0000

193.7682, 0.2431,

 0.0000, 0.0000,

0.2446

0.0000

236.8079, 0.2474,  
0.2496

■ 26.6156, 0.1880,  
0.1815

■ 26.6156, 0.1880,  
0.1815

■ 22.6608, 0.1796,  
0.1624

■ 31.3299, 0.1990,  
0.2015

■ 20.2868, 0.1750,  
0.1498

■ 36.8668, 0.2121,  
0.2219

■ 43.2830, 0.2269,  
0.2420

■ 50.6281, 0.2429,  
0.2613

■ 58.9472, 0.2594,  
0.2795

■ 68.2819, 0.2760,  
0.2962

■ 78.6710, 0.2923,  
0.3115

■ 90.1508, 0.3081,  
0.3252

■ 99.5548, 0.3168,  
0.3357

# Harmonies

## Analogous

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



26.6156, 0.1517, 0.1979



26.6156, 0.1880, 0.1815



26.6156, 0.2591, 0.1942

# Triad

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



26.6156, 0.1880, 0.1815



26.6156, 0.5119, 0.3550



26.6156, 0.2462, 0.4666

# Complementary

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



26.6156, 0.1880, 0.1815



41.3179, 0.5043, 0.4191

# 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.



26.6156, 0.3382, 0.5215



26.6156, 0.1880, 0.1815



26.6156, 0.4949, 0.4259

# Square

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



26.6156, 0.1880, 0.1815



26.6156, 0.4609, 0.2886



26.6156, 0.4285, 0.4926



26.6156, 0.1779, 0.3507



# Rectangle

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



26.6156, 0.1880, 0.1815



26.6156, 0.3245, 0.2168



26.6156, 0.4285, 0.4926



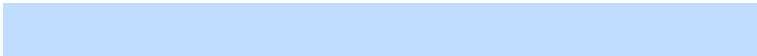
26.6156, 0.2755, 0.4950

# Sweetspot

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



26.6164, 0.1880, 0.1815



70.6703, 0.2727, 0.2930



69.6502, 0.2688, 0.4724



14.3670, 0.2668, 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.



26.6164, 0.1880, 0.1815



21.5713, 0.1749, 0.1496



8.9332, 0.1598, 0.0762



18.0334, 0.2980, 0.3165



11.2412, 0.1757, 0.1526



1.2524, 0.1818, 0.1746



# Inverse Universe

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



23.5660, 0.4637, 0.2460



22.7088, 0.5065, 0.2564



87.2273, 0.4150, 0.4981



17.3656, 0.3217, 0.3175



11.5457, 0.5025, 0.2542

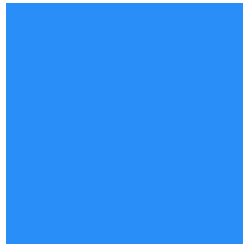


1.0907, 0.4750, 0.2391



# Previews

## White Background



This preview shows how the Yxy color 26.6156, 0.1880, 0.1815 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

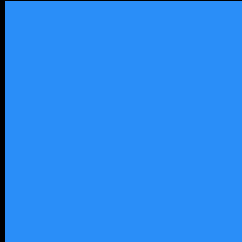
Any Text WCAG AA ✗ Fail

Large Text (above 18pt) WCAG AAA ✗ Fail

Any Text WCAG AAA ✗ Fail



# Black Background



This preview shows how the Yxy color 26.6156, 0.1880, 0.1815 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

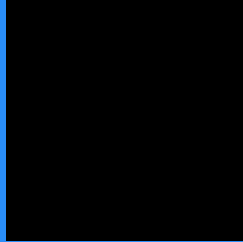
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

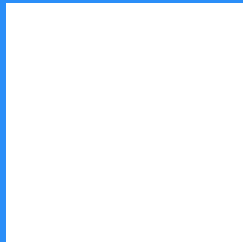
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 26.6156, 0.1880, 0.1815**

## **Background**



This preview shows how black text looks on a background with the Yxy color 26.6156, 0.1880, 0.1815.



This preview shows how white text looks on a background with the Yxy color 26.6156, 0.1880, 0.1815.

# 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

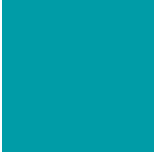
26.6156, 0.1880, 0.1815

### Protanopia

26.3463, 0.2049, 0.1839

### Deuteranopia

26.6156, 0.1880, 0.1815



## Tritanopia

26.5670, 0.2190, 0.3085

# Trichromacy



## Original Color

26.6156, 0.1880, 0.1815

## Protanomaly

26.1645, 0.1967, 0.1823

## Deuteranomaly

26.6156, 0.1880, 0.1815

## Tritanomaly

26.2203, 0.2049, 0.2531

# Monochromacy



## Original Color

26.6156, 0.1880, 0.1815

## Achromatopsia

20.1556, 0.3127, 0.3290

## Achromatomaly

21.4769, 0.2426, 0.2619

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 26.6156, 0.1880, 0.1815 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(42, 142, 248)` looks like.

```
.text, #text, p{  
    color:rgb(42, 142, 248)  
}
```

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(42, 142, 248) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(42, 142, 248) }
```

## Border

The CSS property to change the border of an element to Yxy 26.6156, 0.1880, 0.1815 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(42, 142, 248) }
```

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

```
.border{ border-color:rgb(42, 142, 248) }
```

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

Here you see how a box with a 4 pixel `rgb(42, 142, 248)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(42, 142, 248); -webkit-box-  
shadow:4px 4px 4px 4px rgb(42, 142, 248);  
box-shadow:4px 4px 4px 4px rgb(42, 142,  
248) }
```



# Background

The CSS property to change the background color of an element to Yxy 26.6156, 0.1880, 0.1815 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(42, 142, 248) }
```

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

```
.background{ background-color: rgb(42, 142,  
248) }
```

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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