

# Converting Colors

$Yxy(26.7477, 0.1874, 0.1739)$

Have a look what the booklet for  
Yxy(26.7477, 0.1874, 0.1739)  
contains.

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# Color

**Yxy(26.6800, 0.1873, 0.1736)**

# Conversions

## Conversions Part 1

Format	Color
Hex	338CFF
RGB	51, 140, 255
RGB Percent	20%, 55%, 100%
CMY	0.8004, 0.4509, 0.0001
CMYK	0.80, 0.45, 0.00, 0.00
HSL	214°, 100%, 60%
HSV	214°, 80%, 100%
XYZ	28.7855, 26.6800, 98.2211
YIQ	126.4990, -89.9590, 16.8970

# Conversions

## Conversions Part 2

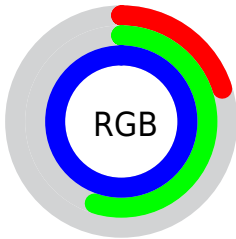
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	51, 113, 255
Decimal	3378431
CIE Lab	58.68, 13.89, -64.49
CIE LCh	59, 65.972, 282.156
Yxy	26.6800, 0.1873, 0.1736
Android (android.graphics.Color)	4281568511 (0xFF338CFF)
YUV	126.4990, 63.3510, -66.2126
Hunter-Lab	51.6527, 9.0840, -76.5871

# Details

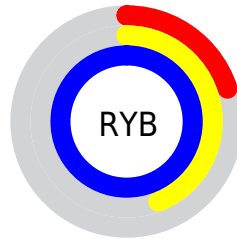
The Yxy color **26.6800, 0.1873, 0.1736** is a dark color, and the websafe version is hex **6699FF**. The color can be described as middle washed azure. A complement of this color would be **48.7111, 0.4874, 0.4282**, and the grayscale version is **20.8366, 0.3127, 0.3290**.

A 20% lighter version of the original color is **49.9491, 0.2327, 0.2525**, and **11.5134, 0.1735, 0.1446** is the 20% darker color. If you saturate the color by 10%, you get **22.2639, 0.1776, 0.1528**, and if you desaturate by 10%, it is **32.0078, 0.1996, 0.1955**.

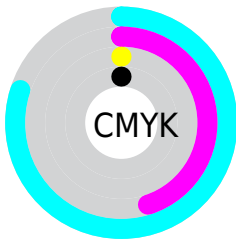
# Distribution



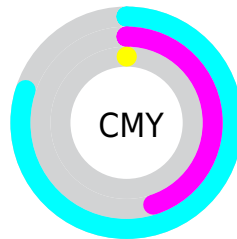
- Red (20%)
- Green (55%)
- Blue (100%)



- Red (20%)
- Yellow (44%)
- Blue (100%)



- Cyan (80%)
- Magenta (45%)
- Yellow (0%)
- Black (0%)




- Cyan (80%)
- Magenta (45%)
- Yellow (0%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 26.6800, 0.1873, 0.1736 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 26.6800, 0.1873, 0.1736 by changing the saturation by 10% instead.





 26.6800, 0.1873,  
0.1736

 26.6800, 0.1873,  
0.1736


286.1044, 0.2506,  
0.2488


 17.3330, 0.1723,  
0.1567


 54.3699, 0.2099,  
0.1997


 10.4722, 0.1540,  
0.1364


 73.4817, 0.2185,  
0.2099

 5.7132, 0.1313,  
0.1121


 96.6172, 0.2259,  
0.2187

 2.6715, 0.1032,  
0.0832

 124.1608, 0.2322,  
0.2263

 0.9627, 0.0697,  
0.0507

156.4970, 0.2377,  
0.2330

 0.0000, 0.0199,  
0.0000

194.0100, 0.2426,

 0.0000, 0.0000,

0.2389

0.0000

237.0843, 0.2468,  
0.2441

■ 26.6800, 0.1873,  
0.1736

■ 26.6800, 0.1873,  
0.1736

■ 22.2639, 0.1776,  
0.1528

■ 32.0078, 0.1996,  
0.1955

■ 18.6648, 0.1705,  
0.1339

■ 38.3167, 0.2140,  
0.2177

■ 45.6702, 0.2299,  
0.2396

■ 54.1242, 0.2467,  
0.2606

■ 63.7301, 0.2638,  
0.2802

■ 74.5356, 0.2807,  
0.2982

■ 86.5852, 0.2971,  
0.3144

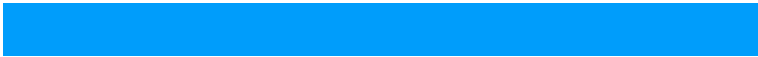
99.9211, 0.3127,  
0.3289

99.9986, 0.3127,  
0.3290

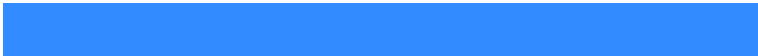
# Harmonies

## Analogous

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



26.6800, 0.1458, 0.1863



26.6800, 0.1873, 0.1736



26.6800, 0.2660, 0.1901

# Triad

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



26.6800, 0.1873, 0.1736



26.6800, 0.5263, 0.3623



26.6800, 0.2308, 0.4656

# Complementary

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



26.6800, 0.1873, 0.1736



48.7111, 0.4874, 0.4282

# 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.



26.6800, 0.3262, 0.5349



26.6800, 0.1873, 0.1736



26.6800, 0.4988, 0.4372

# Square

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



26.6800, 0.1873, 0.1736



26.6800, 0.4811, 0.2927



26.6800, 0.4231, 0.5081



26.6800, 0.1638, 0.3371



# Rectangle

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



26.6800, 0.1873, 0.1736



26.6800, 0.3377, 0.2156



26.6800, 0.4231, 0.5081



26.6800, 0.2607, 0.4998

# Sweetspot

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



26.6808, 0.1873, 0.1736



70.1264, 0.2740, 0.2913



74.8561, 0.2643, 0.4524



14.1927, 0.2680, 0.2848



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.



26.6808, 0.1873, 0.1736



20.0337, 0.1732, 0.1413



10.5715, 0.1663, 0.0831



18.6829, 0.2979, 0.3152



10.0393, 0.1714, 0.1369



1.1903, 0.1775, 0.1589



# Inverse Universe

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



25.5076, 0.4719, 0.2553



22.7683, 0.5168, 0.2640



91.1157, 0.4065, 0.5010



18.1188, 0.3225, 0.3187



11.7414, 0.5232, 0.2656



1.1647, 0.4946, 0.2498



# Previews

## White Background



This preview shows how the Yxy color 26.6800, 0.1873, 0.1736 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

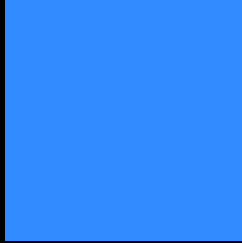
Any Text WCAG AA ✗ Fail

Large Text (above 18pt) WCAG AAA ✗ Fail

Any Text WCAG AAA ✗ Fail



# Black Background



This preview shows how the Yxy color 26.6800, 0.1873, 0.1736 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

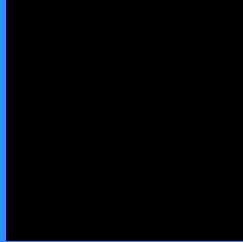
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

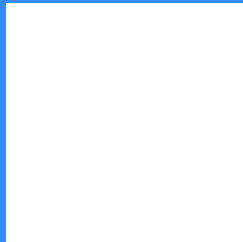
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 26.6800, 0.1873, 0.1736**

## Background



This preview shows how black text looks on a background with the Yxy color 26.6800, 0.1873, 0.1736.



This preview shows how white text looks on a background with the Yxy color 26.6800, 0.1873, 0.1736.

# 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

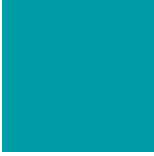
26.6800, 0.1873, 0.1736

### Protanopia

26.5046, 0.1981, 0.1752

### Deuteranopia

26.7368, 0.1826, 0.1772



## Tritanopia

26.5670, 0.2190, 0.3085

# Trichromacy



**Original Color**

26.6800, 0.1873, 0.1736

**Protanomaly**

26.3361, 0.1935, 0.1741

**Deuteranomaly**

26.6402, 0.1832, 0.1754

**Tritanomaly**

26.0747, 0.2037, 0.2472

# Monochromacy



**Original Color**

26.6800, 0.1873, 0.1736

**Achromatopsia**

20.8637, 0.3127, 0.3290

**Achromatomaly**

21.9024, 0.2437, 0.2565

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 26.6800, 0.1873, 0.1736 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(51, 140, 255)` looks like.

```
.text, #text, p{  
    color:rgb(51, 140, 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(51, 140, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(51, 140, 255) }
```

## Border

The CSS property to change the border of an element to Yxy 26.6800, 0.1873, 0.1736 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(51, 140, 255) }
```

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

```
.border{ border-color:rgb(51, 140, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(51, 140, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(51, 140, 255); -webkit-box-shadow:4px 4px 4px 4px rgb(51, 140, 255); box-shadow:4px 4px 4px 4px rgb(51, 140, 255) }
```



# Background

The CSS property to change the background color of an element to Yxy 26.6800, 0.1873, 0.1736 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(51, 140, 255) }
```

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

```
.background{ background-color: rgb(51, 140,  
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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