

# Converting Colors

$Y_{xy}(26.1746, 0.1990, 0.1688)$

Have a look what the booklet for  
Yxy(26.1746, 0.1990, 0.1688)  
contains.

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# Color

**Yxy(26.3222, 0.1993, 0.1695)**

# Conversions

## Conversions Part 1

Format	Color
Hex	5D85FF
RGB	93, 133, 255
RGB Percent	36%, 52%, 100%
CMY	0.6351, 0.4784, 0.0002
CMYK	0.64, 0.48, 0.00, 0.00
HSL	225°, 100%, 68%
HSV	225°, 64%, 100%
XYZ	30.9499, 26.3222, 98.0211
YIQ	134.9480, -63.0020, 29.4620

# Conversions

## Conversions Part 2

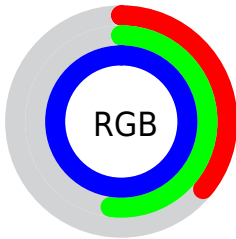
Format	Color
R <sub>Y</sub> B	93, 125, 255
Decimal	6129151
CIE Lab	58.34, 23.55, -64.94
CIE LCh	58, 69.078, 289.933
Yxy	26.3222, 0.1993, 0.1695
Android (android.graphics.Color)	4284319231 (0xFF5D85FF)
YUV	134.9480, 59.1856, -36.7884
Hunter-Lab	51.3052, 17.8964, -77.3629

# Details

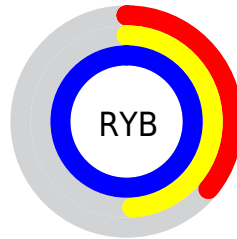
The Yxy color **26.3222, 0.1993, 0.1695** is a light color, and the websafe version is hex **6699FF**. The color can be described as light muted azure. A complement of this color would be **70.6519, 0.4256, 0.4455**, and the grayscale version is **24.0078, 0.3127, 0.3290**.

A 20% lighter version of the original color is **49.4057, 0.2463, 0.2467**, and **10.3719, 0.1704, 0.1334** is the 20% darker color. If you saturate the color by 10%, you get **20.4192, 0.1834, 0.1419**, and if you desaturate by 10%, it is **33.6316, 0.2173, 0.1983**.

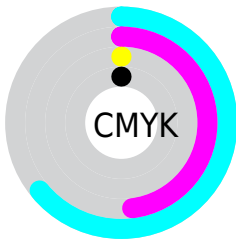
# Distribution



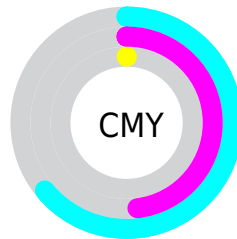
- Red (36%)
- Green (52%)
- Blue (100%)



- Red (36%)
- Yellow (49%)
- Blue (100%)



- Cyan (64%)
- Magenta (48%)
- Yellow (0%)
- Black (0%)




- Cyan (64%)
- Magenta (48%)
- Yellow (0%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 26.3222, 0.1993, 0.1695 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 26.3222, 0.1993, 0.1695 by changing the saturation by 10% instead.





 26.3222, 0.1993,  
0.1695

 26.3222, 0.1993,  
0.1695


284.3602, 0.2576,  
0.2457


 17.0648, 0.1852,  
0.1526


 53.7943, 0.2203,  
0.1958


 10.2807, 0.1678,  
0.1324


 72.7778, 0.2283,  
0.2061

 5.5855, 0.1459,  
0.1083


 95.7721, 0.2350,  
0.2150

 2.5947, 0.1182,  
0.0799

 123.1617, 0.2409,  
0.2227

 0.9240, 0.0841,  
0.0482

155.3309, 0.2459,  
0.2295

 0.0000, 0.0392,  
0.0000

192.6641, 0.2503,

 0.0000, 0.0000,

0.2355

0.0000

235.5457, 0.2541,  
0.2409

■ 26.3222, 0.1993,  
0.1695

■ 26.3222, 0.1993,  
0.1695

■ 20.4192, 0.1834,  
0.1419

■ 33.6316, 0.2173,  
0.1983

■ 15.8218, 0.1704,  
0.1169

■ 42.4331, 0.2363,  
0.2268

■ 12.4171, 0.1612,  
0.0962

■ 52.8082, 0.2553,  
0.2541

■ 10.7614, 0.1570,  
0.0853

■ 64.8313, 0.2738,  
0.2793

■ 78.5720, 0.2913,  
0.3021

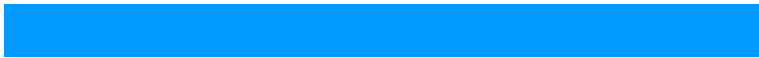
94.0957, 0.3074,  
0.3225

99.9973, 0.3127,  
0.3290

# Harmonies

## Analogous

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



26.3222, 0.1473, 0.1739



26.3222, 0.1993, 0.1695



26.3222, 0.2910, 0.1937

# Triad

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



26.3222, 0.1993, 0.1695



26.3222, 0.5348, 0.3810



26.3222, 0.2043, 0.4398

# Complementary

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



26.3222, 0.1993, 0.1695



70.6519, 0.4256, 0.4455

# 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.



26.3222, 0.2981, 0.5386



26.3222, 0.1993, 0.1695



26.3222, 0.4884, 0.4599

# Square

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



26.3222, 0.1993, 0.1695



26.3222, 0.5094, 0.3081



26.3222, 0.4007, 0.5300



26.3222, 0.1465, 0.3042



# Rectangle

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



26.3222, 0.1993, 0.1695



26.3222, 0.3702, 0.2240



26.3222, 0.4007, 0.5300



26.3222, 0.2327, 0.4827

# Sweetspot

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



26.3230, 0.1993, 0.1695



70.8249, 0.2818, 0.2899



78.7031, 0.2528, 0.3792



14.3387, 0.2768, 0.2832



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.



26.3230, 0.1993, 0.1695



19.1586, 0.1798, 0.1353



20.0864, 0.2135, 0.1352



18.1056, 0.2979, 0.3105



5.8204, 0.1577, 0.0878



0.7299, 0.1635, 0.1085



# Inverse Universe

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



30.7845, 0.4672, 0.2913



25.7233, 0.5166, 0.2909



86.6534, 0.3729, 0.4927



18.0606, 0.3255, 0.3232



11.3155, 0.5946, 0.3049



1.1182, 0.5632, 0.2876



# Previews

## White Background



This preview shows how the Yxy color 26.3222, 0.1993, 0.1695 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

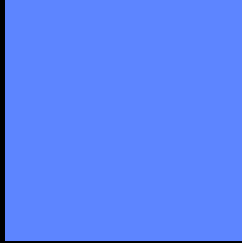
Any Text WCAG AA ✗ Fail

Large Text (above 18pt) WCAG AAA ✗ Fail

Any Text WCAG AAA ✗ Fail



# Black Background



This preview shows how the Yxy color 26.3222, 0.1993, 0.1695 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

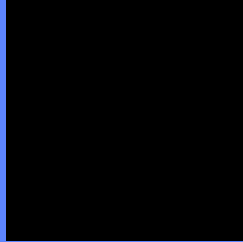
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

**Yxy 26.3222, 0.1993, 0.1695**

## **Background**



This preview shows how black text looks on a background with the Yxy color 26.3222, 0.1993, 0.1695.



This preview shows how white text looks on a background with the Yxy color 26.3222, 0.1993, 0.1695.

# 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

26.3222, 0.1993, 0.1695

### Protanopia

26.4906, 0.1944, 0.1712

### Deuteranopia

26.3743, 0.1824, 0.1766



## Tritanopia

26.3780, 0.2261, 0.3069

# Trichromacy



## Original Color

26.3222, 0.1993, 0.1695

## Protanomaly

26.4328, 0.1960, 0.1706

## Deuteranomaly

25.8972, 0.1842, 0.1727

## Tritanomaly

25.6271, 0.2129, 0.2436

# Monochromacy



## Original Color

26.3222, 0.1993, 0.1695

## Achromatopsia

24.2281, 0.3127, 0.3290

## Achromatomaly

24.2979, 0.2576, 0.2564

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 26.3222, 0.1993, 0.1695 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(93, 133, 255)` looks like.

```
.text, #text, p{  
  color:rgb(93, 133, 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(93, 133, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(93, 133, 255) }
```

## Border

The CSS property to change the border of an element to Yxy 26.3222, 0.1993, 0.1695 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(93, 133, 255) }
```

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

```
.border{ border-color:rgb(93, 133, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(93, 133, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(93, 133, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(93, 133, 255);  
box-shadow:4px 4px 4px 4px rgb(93, 133,  
255) }
```



# Background

The CSS property to change the background color of an element to Yxy 26.3222, 0.1993, 0.1695 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(93, 133, 255) }
```

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

```
.background{ background-color: rgb(93, 133,  
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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