

# Converting Colors

$Yxy(59.6221, 0.2592, 0.2734)$

Have a look what the booklet for  
Yxy(59.6221, 0.2592, 0.2734)  
contains.

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# Color

**Yxy(59.4763, 0.2589, 0.2725)**

# Conversions

## Conversions Part 1

Format	Color
Hex	ABCDFE
RGB	171, 205, 254
RGB Percent	67%, 80%, 100%
CMY	0.3296, 0.1960, 0.0039
CMYK	0.33, 0.19, 0.00, 0.00
HSL	215°, 98%, 83%
HSV	215°, 33%, 100%
XYZ	56.5079, 59.4763, 102.2774
YIQ	200.4200, -35.9930, 8.0310

# Conversions

## Conversions Part 2

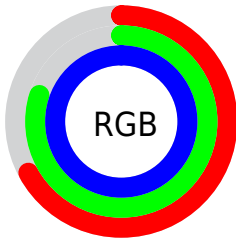
Format	Color
R <sub>Y</sub> B	171, 195, 254
Decimal	11259390
CIE Lab	81.55, -0.06, -27.68
CIE LCh	82, 27.677, 269.885
Yxy	59.4763, 0.2589, 0.2725
Android (android.graphics.Color)	4289449470 (0xFFABCD FE)
YUV	200.4200, 26.4149, -25.8013
Hunter-Lab	77.1209, -4.1712, -24.6456

# Details

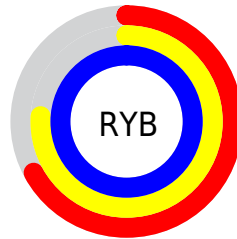
The Yxy color **59.4763, 0.2589, 0.2725** is a light color, and the websafe version is hex **99CCFF**. A complement of this color would be **75.1701, 0.3726, 0.3795**, and the grayscale version is **57.8779, 0.3127, 0.3290**.

A 20% lighter version of the original color is **95.2340, 0.2964, 0.3290**, and **29.8774, 0.2458, 0.2591** is the 20% darker color. If you saturate the color by 10%, you get **50.0667, 0.2416, 0.2515**, and if you desaturate by 10%, it is **70.1251, 0.2761, 0.2918**.

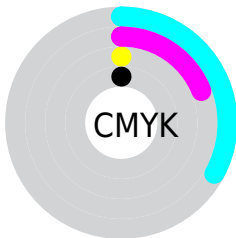
# Distribution



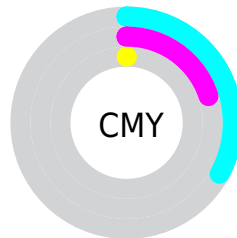
- Red (67%)
- Green (80%)
- Blue (100%)



- Red (67%)
- Yellow (76%)
- Blue (100%)



- Cyan (33%)
- Magenta (19%)
- Yellow (0%)
- Black (0%)



- Cyan (33%)
- Magenta (20%)
- Yellow (0%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 59.4763, 0.2589, 0.2725 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 59.4763, 0.2589, 0.2725 by changing the saturation by 10% instead.



■ 59.4763, 0.2589,  
0.2725

■ 59.4763, 0.2589,  
0.2725

422.6647, 0.2842,  
0.2991

■ 42.9967, 0.2531,  
0.2664

■ 104.0696, 0.2677,  
0.2818

■ 29.8825, 0.2458,  
0.2588

132.9520, 0.2712,  
0.2854

■ 19.7494, 0.2367,  
0.2491

166.7375, 0.2741,  
0.2885

■ 12.2130, 0.2247,  
0.2365

205.8105, 0.2767,  
0.2912

■ 6.8889, 0.2085,  
0.2195

250.5553, 0.2789,  
0.2935

■ 3.3927, 0.1856,  
0.1954

301.3563, 0.2809,

■ 1.3400, 0.1515,

0.2956

0.1596

358.5980, 0.2827,  
0.2974

0.1719, 0.0543,  
0.0577

0.0000, 0.0000,  
0.0000

59.4763, 0.2589,  
0.2725

59.4763, 0.2589,  
0.2725

50.0667, 0.2416,  
0.2515

70.1251, 0.2761,  
0.2918

41.8386, 0.2246,  
0.2292

82.0536, 0.2928,  
0.3094

34.7396, 0.2087,  
0.2061

95.3088, 0.3086,  
0.3251

28.7097, 0.1944,  
0.1829

99.9366, 0.3133,  
0.3299

■ 23.6817, 0.1825,  
0.1605

■ 19.5776, 0.1734,  
0.1397

■ 17.0925, 0.1683,  
0.1258

# Harmonies

## Analogous

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



59.4763, 0.2468, 0.2872



59.4763, 0.2589, 0.2725



59.4763, 0.2852, 0.2724

# Triad

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



59.4763, 0.2589, 0.2725



59.4763, 0.3786, 0.3373



59.4763, 0.3022, 0.3791

# Complementary

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



59.4763, 0.2589, 0.2725



75.1701, 0.3726, 0.3795

# 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.



59.4763, 0.3378, 0.3928



59.4763, 0.2589, 0.2725



59.4763, 0.3831, 0.3657

# Square

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



59.4763, 0.2589, 0.2725



59.4763, 0.3551, 0.3086



59.4763, 0.3677, 0.3867



59.4763, 0.2707, 0.3493



# Rectangle

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



59.4763, 0.2589, 0.2725



59.4763, 0.3081, 0.2798



59.4763, 0.3677, 0.3867



59.4763, 0.3141, 0.3858

# Sweetspot

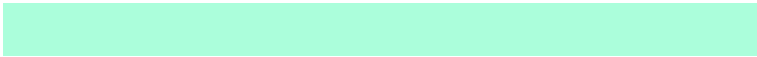
The Sweet Spot groups the original color and five complimentary colors.



59.4786, 0.2589, 0.2725



86.2558, 0.2971, 0.3138



84.6797, 0.2830, 0.3682



18.0722, 0.2948, 0.3115



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

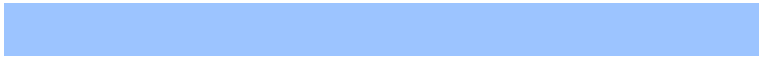


# Same Dimension

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



59.4786, 0.2589, 0.2725



53.8748, 0.2480, 0.2594



45.7129, 0.2585, 0.2327



18.6012, 0.2979, 0.3146



9.2834, 0.1691, 0.1288



1.1126, 0.1753, 0.1511



# Inverse Universe

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



54.5883, 0.3576, 0.2937



48.8870, 0.3699, 0.2868



93.6207, 0.3575, 0.4123



18.1106, 0.3229, 0.3193



11.6651, 0.5343, 0.2717

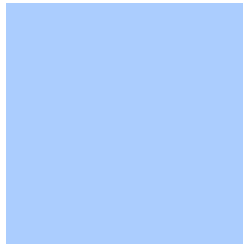


1.1569, 0.5045, 0.2553



# Previews

## White Background



This preview shows how the Yxy color 59.4763, 0.2589, 0.2725 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

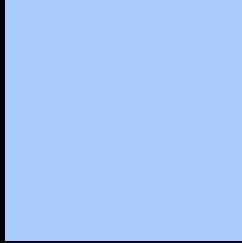
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 59.4763, 0.2589, 0.2725 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 ✓ Pass

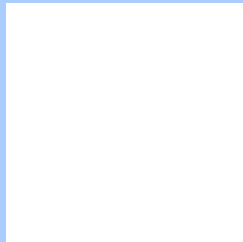
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 59.4763, 0.2589, 0.2725**

## **Background**



This preview shows how black text looks on a background with the Yxy color 59.4763, 0.2589, 0.2725.



This preview shows how white text looks on a background with the Yxy color 59.4763, 0.2589, 0.2725.

# 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

59.4763, 0.2589, 0.2725

### Protanopia

59.2207, 0.2719, 0.2715

### Deuteranopia

59.0775, 0.2720, 0.2656



## Tritanopia

59.6386, 0.2710, 0.3082

# Trichromacy



## Original Color

59.4763, 0.2589, 0.2725

## Protanomaly

59.3366, 0.2670, 0.2721

## Deuteranomaly

59.4324, 0.2671, 0.2682

## Tritanomaly

59.4417, 0.2663, 0.2943

# Monochromacy



## Original Color

59.4763, 0.2589, 0.2725

## Achromatopsia

57.7580, 0.3127, 0.3290

## Achromatomaly

58.2272, 0.2907, 0.3076

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 59.4763, 0.2589, 0.2725 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(171, 205, 254)` looks like.

```
.text, #text, p{  
    color:rgb(171, 205, 254)  
}
```

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(171, 205, 254) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(171, 205, 254) }
```

## Border

The CSS property to change the border of an element to Yxy 59.4763, 0.2589, 0.2725 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(171, 205, 254) }
```

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

```
.border{ border-color:rgb(171, 205, 254) }
```

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

Here you see how a box with a 4 pixel `rgb(171, 205, 254)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(171, 205, 254); -webkit-box-shadow:4px 4px 4px 4px rgb(171, 205, 254); box-shadow:4px 4px 4px 4px rgb(171, 205, 254) }
```



# Background

The CSS property to change the background color of an element to Yxy 59.4763, 0.2589, 0.2725 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(171, 205, 254) }
```

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

```
.background{ background-color: rgb(171,  
205, 254) }
```

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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