

# Converting Colors

$Yxy(58.7551, 0.2548, 0.2598)$

Have a look what the booklet for  
Yxy(58.7551, 0.2548, 0.2598)  
contains.

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# Color

**Yxy(58.3453, 0.2592, 0.2681)**

# Conversions

## Conversions Part 1

Format	Color
Hex	ADCAFF
RGB	173, 202, 255
RGB Percent	68%, 79%, 100%
CMY	0.3214, 0.2079, 0.0001
CMYK	0.32, 0.21, 0.00, 0.00
HSL	219°, 100%, 84%
HSV	219°, 32%, 100%
XYZ	56.4084, 58.3453, 102.8714
YIQ	199.3710, -34.2970, 10.3350

# Conversions

## Conversions Part 2

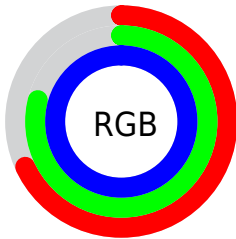
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	173, 194, 255
Decimal	11389695
CIE Lab	80.93, 2.38, -29.13
CIE LCh	81, 29.225, 274.671
Yxy	58.3453, 0.2592, 0.2681
Android (android.graphics.Color)	4289579775 (0xFFADCAFF)
YUV	199.3710, 27.4251, -23.1274
Hunter-Lab	76.3841, -1.8528, -26.3808

# Details

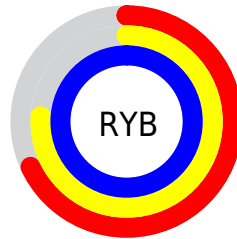
The Yxy color **58.3453, 0.2592, 0.2681** is a light color, and the websafe version is hex **99CCFF**. A complement of this color would be **78.6823, 0.3699, 0.3831**, and the grayscale version is **57.2029, 0.3127, 0.3290**.

A 20% lighter version of the original color is **95.5630, 0.2976, 0.3290**, and **29.1086, 0.2459, 0.2533** is the 20% darker color. If you saturate the color by 10%, you get **48.3832, 0.2413, 0.2451**, and if you desaturate by 10%, it is **69.6934, 0.2768, 0.2893**.

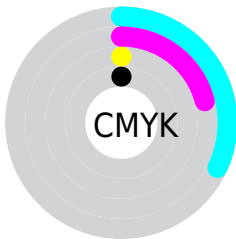
# Distribution



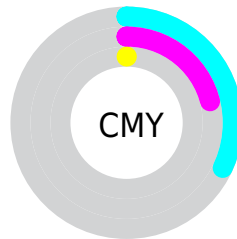
- Red (68%)
- Green (79%)
- Blue (100%)



- Red (68%)
- Yellow (76%)
- Blue (100%)



- Cyan (32%)
- Magenta (21%)
- Yellow (0%)
- Black (0%)



- Cyan (32%)
- Magenta (21%)
- Yellow (0%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 58.3453, 0.2592, 0.2681 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 58.3453, 0.2592, 0.2681 by changing the saturation by 10% instead.



■ 58.3453, 0.2592,  
0.2681

■ 58.3453, 0.2592,  
0.2681

418.4714, 0.2845,  
0.2967

■ 42.0863, 0.2533,  
0.2615

■ 102.4255, 0.2681,  
0.2781

■ 29.1689, 0.2461,  
0.2534

131.0156, 0.2715,  
0.2819

■ 19.2086, 0.2368,  
0.2431

164.4847, 0.2744,  
0.2853

■ 11.8211, 0.2248,  
0.2297

203.2174, 0.2770,  
0.2881

■ 6.6220, 0.2084,  
0.2117

247.5980, 0.2792,  
0.2907

■ 3.2268, 0.1852,  
0.1864

298.0110, 0.2812,

■ 1.2513, 0.1507,

0.2929

0.1492

354.8406, 0.2829,  
0.2949

0.1030, 0.0527,  
0.0348

0.0000, 0.0000,  
0.0000

58.3453, 0.2592,  
0.2681

58.3453, 0.2592,  
0.2681

48.3832, 0.2413,  
0.2451

69.6934, 0.2768,  
0.2893

39.7428, 0.2235,  
0.2206

82.4745, 0.2936,  
0.3085

32.3643, 0.2067,  
0.1954

96.7416, 0.3095,  
0.3256

26.1800, 0.1916,  
0.1703

99.9982, 0.3127,  
0.3290

■ 21.1145, 0.1790,  
0.1464

■ 17.0807, 0.1694,  
0.1247

■ 14.5447, 0.1638,  
0.1098

# Harmonies

## Analogous

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



58.3453, 0.2438, 0.2810



58.3453, 0.2592, 0.2681



58.3453, 0.2889, 0.2704

# Triad

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



58.3453, 0.2592, 0.2681



58.3453, 0.3851, 0.3426



58.3453, 0.2956, 0.3783

# Complementary

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



58.3453, 0.2592, 0.2681



78.6823, 0.3699, 0.3831

# 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.



58.3453, 0.3333, 0.3961



58.3453, 0.2592, 0.2681



58.3453, 0.3863, 0.3720

# Square

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



58.3453, 0.2592, 0.2681



58.3453, 0.3628, 0.3119



58.3453, 0.3668, 0.3926



58.3453, 0.2638, 0.3447



# Rectangle

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



58.3453, 0.2592, 0.2681



58.3453, 0.3139, 0.2796



58.3453, 0.3668, 0.3926



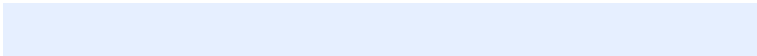
58.3453, 0.3079, 0.3865

# Sweetspot

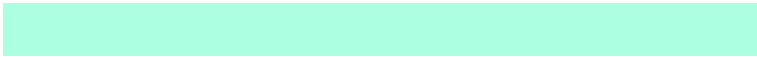
The Sweet Spot groups the original color and five complimentary colors.



58.3476, 0.2592, 0.2681



85.4065, 0.2971, 0.3123



85.8248, 0.2813, 0.3627



17.8674, 0.2948, 0.3098



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.



58.3476, 0.2592, 0.2681



51.3682, 0.2469, 0.2524



47.3131, 0.2625, 0.2354



18.4276, 0.2979, 0.3132



7.8551, 0.1647, 0.1127



0.9614, 0.1709, 0.1352



# Inverse Universe

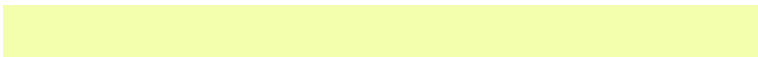
The Inverse Universe completely reimagines the original color for something new.



55.4263, 0.3607, 0.2991



48.6340, 0.3754, 0.2925



93.7629, 0.3539, 0.4116



18.0931, 0.3238, 0.3206



11.5209, 0.5570, 0.2842



1.1416, 0.5256, 0.2669



# Previews

## White Background



This preview shows how the Yxy color 58.3453, 0.2592, 0.2681 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

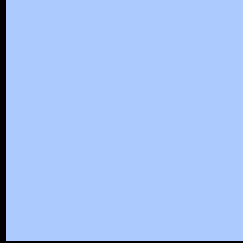
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 58.3453, 0.2592, 0.2681 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

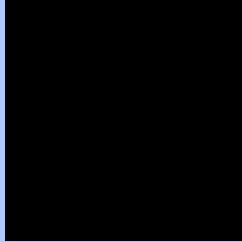
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

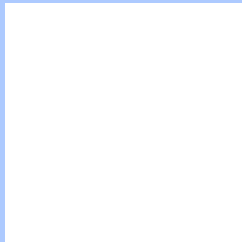
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 58.3453, 0.2592, 0.2681**

## **Background**



This preview shows how black text looks on a background with the Yxy color 58.3453, 0.2592, 0.2681.



This preview shows how white text looks on a background with the Yxy color 58.3453, 0.2592, 0.2681.

# 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

58.3453, 0.2592, 0.2681

### Protanopia

57.9812, 0.2691, 0.2679

### Deuteranopia

58.2289, 0.2699, 0.2641



## Tritanopia

58.1145, 0.2730, 0.3081

# Trichromacy



## Original Color

58.3453, 0.2592, 0.2681

## Protanomaly

57.8838, 0.2655, 0.2675

## Deuteranomaly

58.2572, 0.2656, 0.2657

## Tritanomaly

58.0958, 0.2682, 0.2930

# Monochromacy



## Original Color

58.3453, 0.2592, 0.2681

## Achromatopsia

57.1125, 0.3127, 0.3290

## Achromatomaly

57.3702, 0.2920, 0.3064

# CSS Examples

## Text

The CSS property to change the color of the text to  $Yxy$  58.3453, 0.2592, 0.2681 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(173, 202, 255)` looks like.

```
.text, #text, p{  
    color:rgb(173, 202, 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(173, 202, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(173, 202, 255) }
```

## Border

The CSS property to change the border of an element to Yxy 58.3453, 0.2592, 0.2681 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(173, 202, 255) }
```

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

```
.border{ border-color:rgb(173, 202, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(173, 202, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(173, 202, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(173, 202, 255);  
box-shadow:4px 4px 4px 4px rgb(173, 202,  
255) }
```



# Background

The CSS property to change the background color of an element to Yxy 58.3453, 0.2592, 0.2681 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(173, 202, 255) }
```

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

```
.background{ background-color: rgb(173,  
202, 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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