

# Converting Colors

$Yxy(60.2982, 0.2378, 0.2275)$

Have a look what the booklet for  
Yxy(60.2982, 0.2378, 0.2275)  
contains.

<b>Yxy(57.1865, 0.2576, 0.2655)</b> .....	3
<b><i>Conversions</i></b> .....	4
<b><i>Details</i></b> .....	6
<b><i>Harmonies</i></b> .....	12
<b><i>Previews</i></b> .....	24
<b><i>Color Blindness Simulation</i></b> .....	27
<b><i>CSS Examples</i></b> .....	30

# Color

**Yxy(57.1865, 0.2576, 0.2655)**

# Conversions

## Conversions Part 1

Format	Color
Hex	ABC8FF
RGB	171, 200, 255
RGB Percent	67%, 78%, 100%
CMY	0.3297, 0.2156, 0.0000
CMYK	0.33, 0.22, 0.00, 0.00
HSL	219°, 100%, 84%
HSV	219°, 33%, 100%
XYZ	55.4849, 57.1865, 102.7203
YIQ	197.5990, -34.9390, 10.9570

# Conversions

## Conversions Part 2

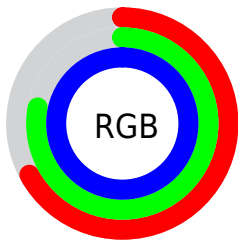
Format	Color
R <sub>Y</sub> B	171, 193, 255
Decimal	11258111
CIE Lab	80.28, 2.86, -30.15
CIE LCh	80, 30.281, 275.417
Yxy	57.1865, 0.2576, 0.2655
Android (android.graphics.Color)	4289448191 (0xFFABC8FF)
YUV	197.5990, 28.2987, -23.3273
Hunter-Lab	75.6218, -1.3697, -27.6009

# Details

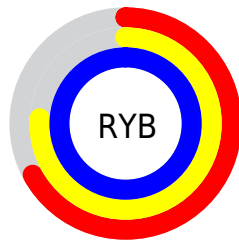
The Yxy color **57.1865, 0.2576, 0.2655** is a light color, and the websafe version is hex **99CCFF**. A complement of this color would be **78.5320, 0.3714, 0.3851**, and the grayscale version is **56.0502, 0.3127, 0.3290**.

A 20% lighter version of the original color is **95.2340, 0.2964, 0.3290**, and **28.3480, 0.2439, 0.2498** is the 20% darker color. If you saturate the color by 10%, you get **47.2901, 0.2396, 0.2421**, and if you desaturate by 10%, it is **68.4818, 0.2753, 0.2871**.

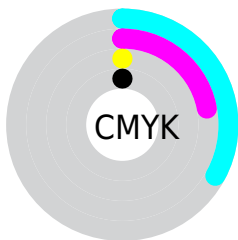
# Distribution



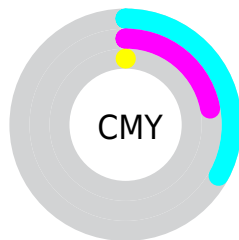
- Red (67%)
- Green (78%)
- Blue (100%)



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



- Cyan (33%)
- Magenta (22%)
- Yellow (0%)
- Black (0%)



- Cyan (33%)
- Magenta (22%)
- Yellow (0%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 57.1865, 0.2576, 0.2655 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 57.1865, 0.2576, 0.2655 by changing the saturation by 10% instead.



■ 57.1865, 0.2576,  
0.2655

■ 57.1865, 0.2576,  
0.2655

414.1478, 0.2837,  
0.2954

■ 41.1550, 0.2515,  
0.2586

■ 100.7373, 0.2668,  
0.2759

■ 28.4402, 0.2440,  
0.2501

129.0253, 0.2703,  
0.2799

■ 18.6578, 0.2344,  
0.2394

162.1677, 0.2733,  
0.2834

■ 11.4232, 0.2219,  
0.2254

200.5487, 0.2760,  
0.2864

■ 6.3523, 0.2050,  
0.2066

244.5529, 0.2783,  
0.2891

■ 3.0604, 0.1809,  
0.1803

294.5645, 0.2803,

■ 1.1634, 0.1452,

0.2914

0.1418

350.9680, 0.2821,  
0.2935

0.0315, 0.0354,  
0.0112

0.0000, 0.0000,  
0.0000

57.1865, 0.2576,  
0.2655

57.1865, 0.2576,  
0.2655

47.2901, 0.2396,  
0.2421

68.4818, 0.2753,  
0.2871

38.7273, 0.2218,  
0.2172

81.2243, 0.2922,  
0.3067

31.4366, 0.2050,  
0.1917

95.4681, 0.3082,  
0.3242

25.3488, 0.1900,  
0.1665

100.0000, 0.3127,  
0.3290

■ 20.3864, 0.1776,  
0.1426

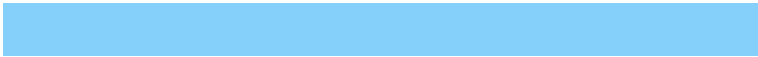
■ 16.4599, 0.1682,  
0.1211

■ 14.2443, 0.1633,  
0.1079

# Harmonies

## Analogous

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



57.1865, 0.2412, 0.2784



57.1865, 0.2576, 0.2655



57.1865, 0.2888, 0.2684

# Triad

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



57.1865, 0.2576, 0.2655



57.1865, 0.3885, 0.3438



57.1865, 0.2938, 0.3798

# Complementary

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



57.1865, 0.2576, 0.2655



78.5320, 0.3714, 0.3851

# 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.



57.1865, 0.3331, 0.3989



57.1865, 0.2576, 0.2655



57.1865, 0.3892, 0.3743

# Square

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



57.1865, 0.2576, 0.2655



57.1865, 0.3658, 0.3119



57.1865, 0.3683, 0.3956



57.1865, 0.2610, 0.3443



# Rectangle

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



57.1865, 0.2576, 0.2655



57.1865, 0.3149, 0.2781



57.1865, 0.3683, 0.3956



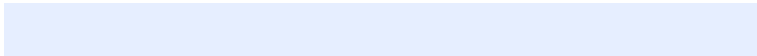
57.1865, 0.3067, 0.3885

# Sweetspot

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



57.1887, 0.2576, 0.2655



85.3002, 0.2971, 0.3121



85.6361, 0.2799, 0.3621



17.8418, 0.2948, 0.3096



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.



57.1887, 0.2576, 0.2655



50.0909, 0.2449, 0.2492



46.4475, 0.2619, 0.2328



18.4059, 0.2979, 0.3130



7.6930, 0.1641, 0.1108



0.9438, 0.1704, 0.1333



# Inverse Universe

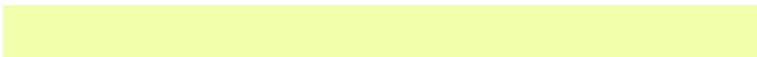
The Inverse Universe completely reimagines the original color for something new.



54.5263, 0.3630, 0.2989



47.6867, 0.3785, 0.2923



93.4029, 0.3540, 0.4141



18.0909, 0.3240, 0.3208



11.5046, 0.5598, 0.2857



1.1398, 0.5282, 0.2683



# Previews

## White Background



This preview shows how the Yxy color 57.1865, 0.2576, 0.2655 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

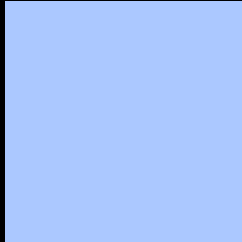
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 57.1865, 0.2576, 0.2655 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

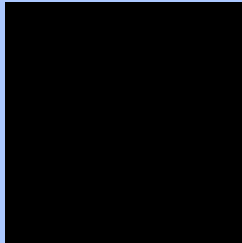
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

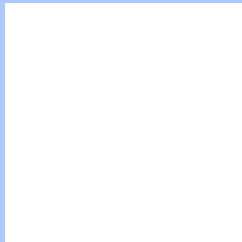
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 57.1865, 0.2576, 0.2655**

## **Background**



This preview shows how black text looks on a background with the Yxy color 57.1865, 0.2576, 0.2655.



This preview shows how white text looks on a background with the Yxy color 57.1865, 0.2576, 0.2655.

# 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

57.1865, 0.2576, 0.2655

### Protanopia

57.3386, 0.2671, 0.2655

### Deuteranopia

56.9416, 0.2677, 0.2615



## Tritanopia

57.3091, 0.2728, 0.3091

# Trichromacy



## Original Color

57.1865, 0.2576, 0.2655

## Protanomaly

57.2472, 0.2635, 0.2651

## Deuteranomaly

57.0976, 0.2641, 0.2631

## Tritanomaly

57.3417, 0.2674, 0.2928

# Monochromacy



## Original Color

57.1865, 0.2576, 0.2655

## Achromatopsia

56.4712, 0.3127, 0.3290

## Achromatomaly

56.6527, 0.2905, 0.3051

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 57.1865, 0.2576, 0.2655 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, 200, 255)` looks like.

```
.text, #text, p{  
    color:rgb(171, 200, 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(171, 200, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(171, 200, 255) }
```

## Border

The CSS property to change the border of an element to Yxy 57.1865, 0.2576, 0.2655 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, 200, 255) }
```

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

```
.border{ border-color:rgb(171, 200, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(171, 200, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(171, 200, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(171, 200, 255);  
box-shadow:4px 4px 4px 4px rgb(171, 200,  
255) }
```



# Background

The CSS property to change the background color of an element to Yxy 57.1865, 0.2576, 0.2655 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(171, 200, 255) }
```

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

```
.background{ background-color: rgb(171,  
200, 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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