

# Converting Colors

$Yxy(60.7268, 0.2580, 0.2747)$

Have a look what the booklet for  
Yxy(60.7268, 0.2580, 0.2747)  
contains.

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# **Color**

**Yxy(60.8778, 0.2583, 0.2750)**

# Conversions

## Conversions Part 1

Format	Color
Hex	AAD0FF
RGB	170, 208, 255
RGB Percent	67%, 82%, 100%
CMY	0.3333, 0.1843, 0.0001
CMYK	0.33, 0.18, 0.00, 0.00
HSL	213°, 100%, 83%
HSV	213°, 33%, 100%
XYZ	57.1809, 60.8778, 103.3152
YIQ	201.9960, -37.7350, 6.5610

# Conversions

## Conversions Part 2

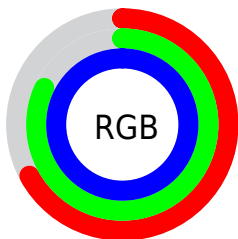
Format	Color
R <sub>Y</sub> B	170, 196, 255
Decimal	11194623
CIE Lab	82.31, -1.67, -27.03
CIE LCh	82, 27.078, 266.463
Yxy	60.8778, 0.2583, 0.2750
Android (android.graphics.Color)	4289384703 (0xFFAAD0FF)
YUV	201.9960, 26.1310, -28.0605
Hunter-Lab	78.0242, -5.7268, -23.8914

# Details

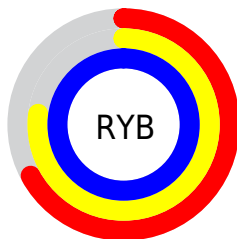
The Yxy color **60.8778, 0.2583, 0.2750** is a light color, and the websafe version is hex **99CCFF**. A complement of this color would be **73.7700, 0.3749, 0.3774**, and the grayscale version is **58.9140, 0.3127, 0.3290**.

A 20% lighter version of the original color is **95.0709, 0.2958, 0.3290**, and **30.8333, 0.2452, 0.2624** is the 20% darker color. If you saturate the color by 10%, you get **51.7380, 0.2414, 0.2553**, and if you desaturate by 10%, it is **71.1841, 0.2752, 0.2932**.

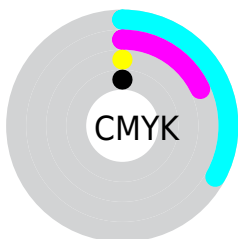
# Distribution



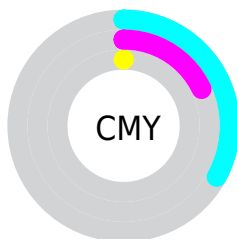
- Red (67%)
- Green (82%)
- Blue (100%)



- Red (67%)
- Yellow (77%)
- Blue (100%)



- Cyan (33%)
- Magenta (18%)
- Yellow (0%)
- Black (0%)



- Cyan (33%)
- Magenta (18%)
- Yellow (0%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 60.8778, 0.2583, 0.2750 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 60.8778, 0.2583, 0.2750 by changing the saturation by 10% instead.



■ 60.8778, 0.2583,  
0.2750

■ 60.8778, 0.2583,  
0.2750

427.8258, 0.2838,  
0.3004

■ 44.1266, 0.2525,  
0.2691

■ 106.1020, 0.2672,  
0.2839

■ 30.7700, 0.2452,  
0.2619

135.3437, 0.2706,  
0.2873

■ 20.4238, 0.2361,  
0.2527

169.5177, 0.2736,  
0.2903

■ 12.7035, 0.2242,  
0.2406

209.0084, 0.2762,  
0.2928

■ 7.2247, 0.2081,  
0.2243

254.2002, 0.2784,  
0.2951

■ 3.6030, 0.1856,  
0.2013

305.4774, 0.2804,

■ 1.4541, 0.1521,

0.2971

0.1668

363.2245, 0.2822,  
0.2988

0.2561, 0.0634,  
0.0801

0.0000, 0.0000,  
0.0000

60.8778, 0.2583,  
0.2750

60.8778, 0.2583,  
0.2750

51.7380, 0.2414,  
0.2553

71.1841, 0.2752,  
0.2932

43.7099, 0.2249,  
0.2344

82.6945, 0.2918,  
0.3097

36.7441, 0.2096,  
0.2128

95.4534, 0.3076,  
0.3245

30.7836, 0.1960,  
0.1909

99.9978, 0.3127,  
0.3290

■ 25.7647, 0.1846,  
0.1696

■ 21.6123, 0.1760,  
0.1496

■ 19.2573, 0.1715,  
0.1372

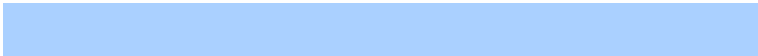
# Harmonies

## Analogous

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



60.8778, 0.2482, 0.2909



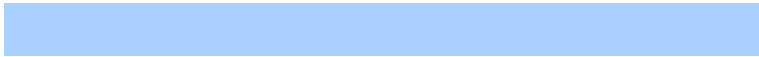
60.8778, 0.2583, 0.2750



60.8778, 0.2825, 0.2732

# Triad

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



60.8778, 0.2583, 0.2750



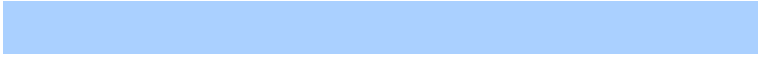
60.8778, 0.3749, 0.3338



60.8778, 0.3065, 0.3800

# Complementary

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



60.8778, 0.2583, 0.2750



73.7700, 0.3749, 0.3774

# 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.



60.8778, 0.3409, 0.3911



60.8778, 0.2583, 0.2750



60.8778, 0.3816, 0.3618

# Square

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



60.8778, 0.2583, 0.2750



60.8778, 0.3504, 0.3062



60.8778, 0.3687, 0.3834

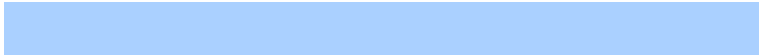


60.8778, 0.2749, 0.3525



# Rectangle

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



60.8778, 0.2583, 0.2750



60.8778, 0.3043, 0.2795



60.8778, 0.3687, 0.3834



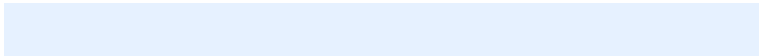
60.8778, 0.3181, 0.3858

# Sweetspot

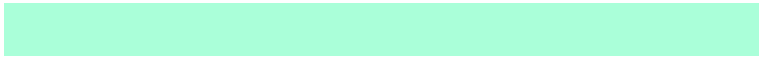
The Sweet Spot groups the original color and five complimentary colors.



60.8802, 0.2583, 0.2750



86.8139, 0.2971, 0.3148



85.0425, 0.2839, 0.3725



18.2070, 0.2949, 0.3126



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.



60.8802, 0.2583, 0.2750



54.6620, 0.2470, 0.2620



45.0021, 0.2553, 0.2301



18.7152, 0.2979, 0.3155



10.3529, 0.1723, 0.1402



1.2222, 0.1783, 0.1620



# Inverse Universe

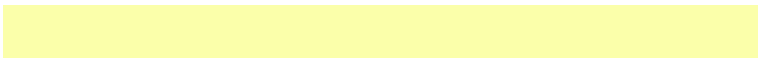
The Inverse Universe completely reimagines the original color for something new.



54.5633, 0.3559, 0.2899



48.1481, 0.3682, 0.2819



94.8585, 0.3602, 0.4133



18.1221, 0.3224, 0.3184



11.7731, 0.5188, 0.2632

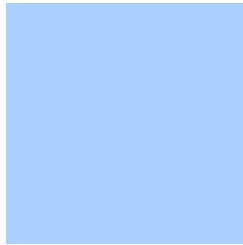


1.1679, 0.4906, 0.2476



# Previews

## White Background



This preview shows how the Yxy color 60.8778, 0.2583, 0.2750 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

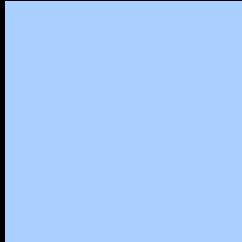
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 60.8778, 0.2583, 0.2750 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

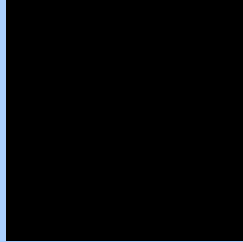
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

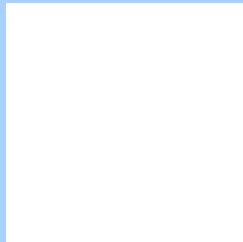
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 60.8778, 0.2583, 0.2750**

## **Background**



This preview shows how black text looks on a background with the Yxy color 60.8778, 0.2583, 0.2750.



This preview shows how white text looks on a background with the Yxy color 60.8778, 0.2583, 0.2750.

# 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

60.8778, 0.2583, 0.2750

### Protanopia

60.5436, 0.2741, 0.2742

### Deuteranopia

60.3989, 0.2742, 0.2683



## Tritanopia

60.6366, 0.2695, 0.3083

# Trichromacy



**Original Color**

60.8778, 0.2583, 0.2750

**Protanomaly**

60.5283, 0.2685, 0.2747

**Deuteranomaly**

60.4967, 0.2680, 0.2706

**Tritanomaly**

60.8686, 0.2655, 0.2968

# Monochromacy



**Original Color**

60.8778, 0.2583, 0.2750

**Achromatopsia**

59.0619, 0.3127, 0.3290

**Achromatomaly**

59.3533, 0.2908, 0.3089

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 60.8778, 0.2583, 0.2750 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(170, 208, 255)` looks like.

```
.text, #text, p{  
    color:rgb(170, 208, 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(170, 208, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(170, 208, 255) }
```

## Border

The CSS property to change the border of an element to Yxy 60.8778, 0.2583, 0.2750 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(170, 208, 255) }
```

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

```
.border{ border-color:rgb(170, 208, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(170, 208, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(170, 208, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(170, 208, 255);  
box-shadow:4px 4px 4px 4px rgb(170, 208,  
255) }
```



# Background

The CSS property to change the background color of an element to Yxy 60.8778, 0.2583, 0.2750 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(170, 208, 255) }
```

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

```
.background{ background-color: rgb(170,  
208, 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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