

# Converting Colors

$Yxy(62.7243, 0.2632, 0.2779)$

Have a look what the booklet for  
Yxy(62.7243, 0.2632, 0.2779)  
contains.

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# Color

**Yxy(62.7782, 0.2633, 0.2780)**

# Conversions

## Conversions Part 1

Format	Color
Hex	B2D2FF
RGB	178, 210, 255
RGB Percent	70%, 82%, 100%
CMY	0.3019, 0.1765, 0.0000
CMYK	0.30, 0.18, 0.00, 0.00
HSL	215°, 100%, 85%
HSV	215°, 30%, 100%
XYZ	59.4586, 62.7782, 103.5840
YIQ	205.5620, -33.5170, 7.2110

# Conversions

## Conversions Part 2

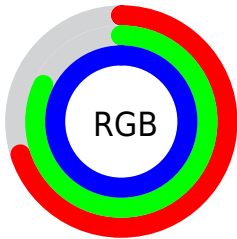
Format	Color
R <sub>Y</sub> B	178, 201, 255
Decimal	11719423
CIE Lab	83.33, -0.50, -25.45
CIE LCh	83, 25.455, 268.867
Yxy	62.7782, 0.2633, 0.2780
Android (android.graphics.Color)	4289909503 (0xFFB2D2FF)
YUV	205.5620, 24.3729, -24.1719
Hunter-Lab	79.2327, -4.7054, -22.0493

# Details

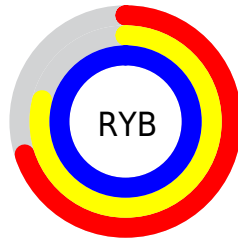
The Yxy color **62.7782, 0.2633, 0.2780** is a light color, and the websafe version is hex **99CCFF**. A complement of this color would be **77.2561, 0.3674, 0.3751**, and the grayscale version is **61.2881, 0.3127, 0.3290**.

A 20% lighter version of the original color is **96.4022, 0.3005, 0.3290**, and **32.0651, 0.2514, 0.2665** is the 20% darker color. If you saturate the color by 10%, you get **53.0186, 0.2460, 0.2576**, and if you desaturate by 10%, it is **73.7888, 0.2804, 0.2967**.

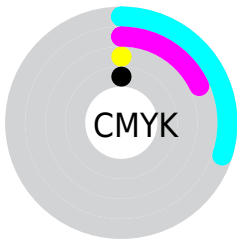
# Distribution



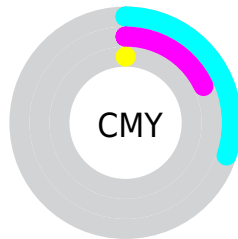
- Red (70%)
- Green (82%)
- Blue (100%)



- Red (70%)
- Yellow (79%)
- Blue (100%)



- Cyan (30%)
- Magenta (18%)
- Yellow (0%)
- Black (0%)



- Cyan (30%)
- Magenta (18%)
- Yellow (0%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 62.7782, 0.2633, 0.2780 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 62.7782, 0.2633, 0.2780 by changing the saturation by 10% instead.



■ 62.7782, 0.2633,  
0.2780

■ 62.7782, 0.2633,  
0.2780

434.7641, 0.2864,  
0.3019

■ 45.6618, 0.2580,  
0.2725

■ 108.8495, 0.2713,  
0.2863

■ 31.9790, 0.2515,  
0.2657

138.5731, 0.2745,  
0.2895

■ 21.3455, 0.2432,  
0.2572

173.2680, 0.2771,  
0.2923

■ 13.3768, 0.2324,  
0.2460

213.3184, 0.2795,  
0.2947

■ 7.6885, 0.2179,  
0.2308

259.1088, 0.2815,  
0.2968

■ 3.8963, 0.1973,  
0.2094

311.0237, 0.2833,

■ 1.6157, 0.1666,

0.2987

0.1773

369.4473, 0.2849,  
0.3004

0.3682, 0.0973,  
0.1061

0.0000, 0.0000,  
0.0000

62.7782, 0.2633,  
0.2780

62.7782, 0.2633,  
0.2780

53.0186, 0.2460,  
0.2576

73.7888, 0.2804,  
0.2967

44.4530, 0.2290,  
0.2358

86.0897, 0.2968,  
0.3136

37.0301, 0.2128,  
0.2130

99.7273, 0.3124,  
0.3287

30.6915, 0.1981,  
0.1900

99.9995, 0.3127,  
0.3290

■ 25.3722, 0.1856,  
0.1675

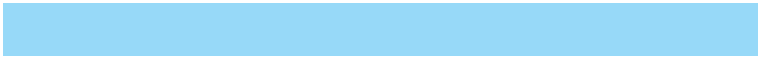
■ 20.9973, 0.1758,  
0.1463

■ 17.5158, 0.1687,  
0.1274

# Harmonies

## Analogous

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



62.7782, 0.2527, 0.2920



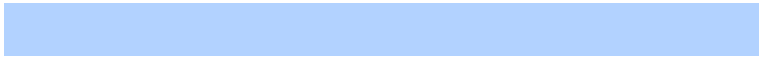
62.7782, 0.2633, 0.2780



62.7782, 0.2869, 0.2773

# Triad

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



62.7782, 0.2633, 0.2780



62.7782, 0.3717, 0.3358



62.7782, 0.3044, 0.3746

# Complementary

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



62.7782, 0.2633, 0.2780



77.2561, 0.3674, 0.3751

# 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.



62.7782, 0.3366, 0.3865



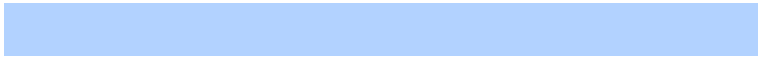
62.7782, 0.2633, 0.2780



62.7782, 0.3765, 0.3617

# Square

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



62.7782, 0.2633, 0.2780



62.7782, 0.3501, 0.3097



62.7782, 0.3633, 0.3808



62.7782, 0.2755, 0.3484



# Rectangle

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



62.7782, 0.2633, 0.2780



62.7782, 0.3076, 0.2837



62.7782, 0.3633, 0.3808



62.7782, 0.3152, 0.3805

# Sweetspot

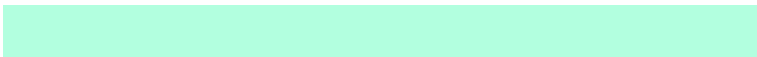
The Sweet Spot groups the original color and five complimentary colors.



62.7807, 0.2633, 0.2780



87.6417, 0.2987, 0.3155



86.3063, 0.2850, 0.3648



18.3533, 0.2964, 0.3132



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.



62.7807, 0.2633, 0.2780



56.9599, 0.2532, 0.2663



49.3130, 0.2634, 0.2412



18.6176, 0.2979, 0.3147



9.4311, 0.1696, 0.1304



1.1278, 0.1757, 0.1526



# Inverse Universe

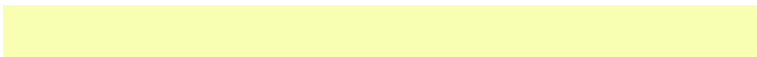
The Inverse Universe completely reimagines the original color for something new.



57.7611, 0.3527, 0.2961



51.7586, 0.3634, 0.2896



94.7928, 0.3541, 0.4058



18.1123, 0.3229, 0.3192



11.6800, 0.5321, 0.2705

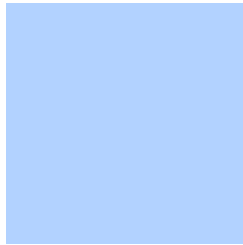


1.1584, 0.5025, 0.2542



# Previews

## White Background



This preview shows how the Yxy color 62.7782, 0.2633, 0.2780 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

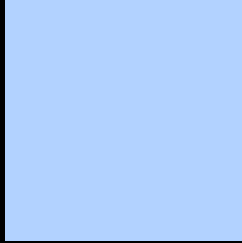
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 62.7782, 0.2633, 0.2780 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

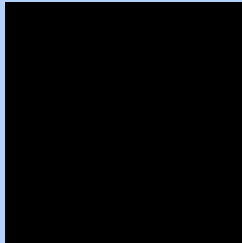
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

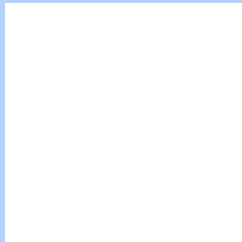
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 62.7782, 0.2633, 0.2780**

## **Background**



This preview shows how black text looks on a background with the Yxy color 62.7782, 0.2633, 0.2780.



This preview shows how white text looks on a background with the Yxy color 62.7782, 0.2633, 0.2780.

# 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

62.7782, 0.2633, 0.2780

### Protanopia

62.5612, 0.2764, 0.2770

### Deuteranopia

62.4884, 0.2778, 0.2722



## Tritanopia

62.7469, 0.2741, 0.3088

# Trichromacy



## Original Color

62.7782, 0.2633, 0.2780

## Protanomaly

62.6646, 0.2715, 0.2776

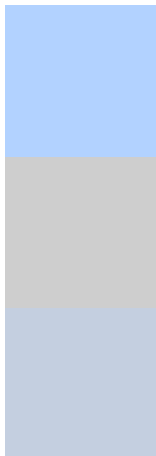
## Deuteranomaly

62.7001, 0.2721, 0.2747

## Tritanomaly

62.9937, 0.2701, 0.2975

# Monochromacy



## Original Color

62.7782, 0.2633, 0.2780

## Achromatopsia

61.7207, 0.3127, 0.3290

## Achromatomaly

61.7432, 0.2932, 0.3093

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 62.7782, 0.2633, 0.2780 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(178, 210, 255)` looks like.

```
.text, #text, p{  
    color:rgb(178, 210, 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(178, 210, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(178, 210, 255) }
```

## Border

The CSS property to change the border of an element to Yxy 62.7782, 0.2633, 0.2780 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(178, 210, 255) }
```

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

```
.border{ border-color:rgb(178, 210, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(178, 210, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(178, 210, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(178, 210, 255);  
box-shadow:4px 4px 4px 4px rgb(178, 210,  
255) }
```



# Background

The CSS property to change the background color of an element to Yxy 62.7782, 0.2633, 0.2780 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(178, 210, 255) }
```

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

```
.background{ background-color: rgb(178,  
210, 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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