

# Converting Colors

$Yxy(61.0758, 0.2628, 0.2739)$

Have a look what the booklet for  
Yxy(61.0758, 0.2628, 0.2739)  
contains.

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# Color

**Yxy(61.3106, 0.2629, 0.2745)**

# Conversions

## Conversions Part 1

Format	Color
Hex	B2CFFF
RGB	178, 207, 255
RGB Percent	70%, 81%, 100%
CMY	0.3019, 0.1882, 0.0001
CMYK	0.30, 0.19, 0.00, 0.00
HSL	217°, 100%, 85%
HSV	217°, 30%, 100%
XYZ	58.7197, 61.3106, 103.3234
YIQ	203.8010, -32.6920, 8.7800

# Conversions

## Conversions Part 2

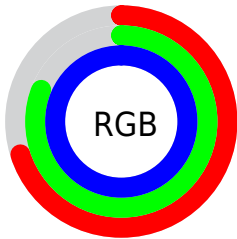
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	178, 199, 255
Decimal	11718655
CIE Lab	82.55, 1.08, -26.63
CIE LCh	83, 26.652, 272.323
Yxy	61.3106, 0.2629, 0.2745
Android (android.graphics.Color)	4289908735 (0xFFB2CFFF)
YUV	203.8010, 25.2411, -22.6275
Hunter-Lab	78.3011, -3.1658, -23.4263

# Details

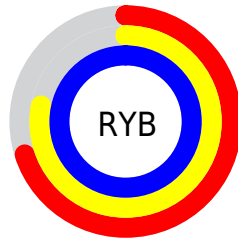
The Yxy color **61.3106, 0.2629, 0.2745** is a light color, and the websafe version is hex **99CCFF**. A complement of this color would be **78.8470, 0.3665, 0.3780**, and the grayscale version is **60.1059, 0.3127, 0.3290**.

A 20% lighter version of the original color is **96.4022, 0.3005, 0.3290**, and **31.0706, 0.2507, 0.2618** is the 20% darker color. If you saturate the color by 10%, you get **51.2556, 0.2452, 0.2527**, and if you desaturate by 10%, it is **72.7059, 0.2802, 0.2945**.

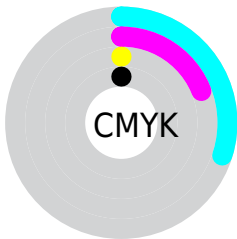
# Distribution



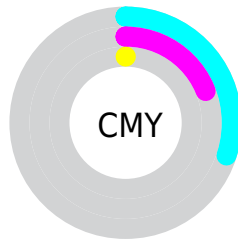
- Red (70%)
- Green (81%)
- Blue (100%)



- Red (70%)
- Yellow (78%)
- Blue (100%)



- Cyan (30%)
- Magenta (19%)
- Yellow (0%)
- Black (0%)



- Cyan (30%)
- Magenta (19%)
- Yellow (0%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 61.3106, 0.2629, 0.2745 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 61.3106, 0.2629, 0.2745 by changing the saturation by 10% instead.



■ 61.3106, 0.2629,  
0.2745

■ 61.3106, 0.2629,  
0.2745

429.4119, 0.2863,  
0.3000

■ 44.4759, 0.2575,  
0.2686

■ 106.7285, 0.2711,  
0.2834

■ 31.0448, 0.2509,  
0.2614

136.0805, 0.2742,  
0.2868

■ 20.6330, 0.2424,  
0.2523

170.3738, 0.2769,  
0.2898

■ 12.8560, 0.2314,  
0.2403

209.9926, 0.2793,  
0.2924

■ 7.3294, 0.2165,  
0.2243

255.3214, 0.2814,  
0.2946

■ 3.6690, 0.1953,  
0.2016

306.7447, 0.2832,

■ 1.4902, 0.1637,

0.2966

0.1678

364.6467, 0.2848,  
0.2984

■ 0.2818, 0.0887,  
0.0850

■ 0.0000, 0.0000,  
0.0000

■ 61.3106, 0.2629,  
0.2745

■ 61.3106, 0.2629,  
0.2745

■ 51.2556, 0.2452,  
0.2527

■ 72.7059, 0.2802,  
0.2945

■ 42.4796, 0.2277,  
0.2294

■ 85.4847, 0.2968,  
0.3126

■ 34.9271, 0.2110,  
0.2051

99.6972, 0.3124,  
0.3287

■ 28.5349, 0.1958,  
0.1807

99.9983, 0.3127,  
0.3290

■ 23.2328, 0.1829,  
0.1571

■ 18.9403, 0.1728,  
0.1352

■ 15.5975, 0.1656,  
0.1162

# Harmonies

## Analogous

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



61.3106, 0.2501, 0.2875



61.3106, 0.2629, 0.2745



61.3106, 0.2890, 0.2754

# Triad

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



61.3106, 0.2629, 0.2745



61.3106, 0.3766, 0.3393



61.3106, 0.3001, 0.3748

# Complementary

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



61.3106, 0.2629, 0.2745



78.8470, 0.3665, 0.3780

# 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.



61.3106, 0.3340, 0.3893



61.3106, 0.2629, 0.2745



61.3106, 0.3793, 0.3661

# Square

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



61.3106, 0.2629, 0.2745



61.3106, 0.3555, 0.3116



61.3106, 0.3633, 0.3852



61.3106, 0.2706, 0.3457



# Rectangle

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



61.3106, 0.2629, 0.2745



61.3106, 0.3112, 0.2831



61.3106, 0.3633, 0.3852



61.3106, 0.3113, 0.3816

# Sweetspot

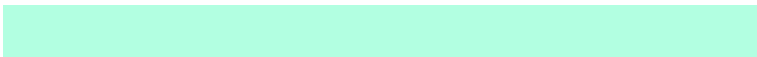
The Sweet Spot groups the original color and five complimentary colors.



61.3130, 0.2629, 0.2745



87.1158, 0.2987, 0.3146



86.4305, 0.2837, 0.3618



18.2242, 0.2964, 0.3121



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.



61.3130, 0.2629, 0.2745



55.3200, 0.2526, 0.2620



49.6243, 0.2652, 0.2416



18.4992, 0.2979, 0.3138



8.4155, 0.1665, 0.1192



1.0215, 0.1727, 0.1416



# Inverse Universe

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



57.6034, 0.3553, 0.2991



51.5930, 0.3667, 0.2932



94.3093, 0.3524, 0.4063



18.1003, 0.3235, 0.3201



11.5775, 0.5478, 0.2791



1.1477, 0.5169, 0.2621



# Previews

## White Background



This preview shows how the Yxy color 61.3106, 0.2629, 0.2745 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

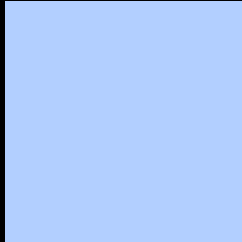
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 61.3106, 0.2629, 0.2745 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

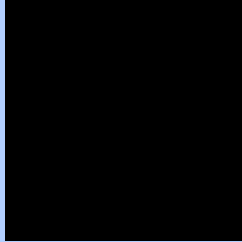
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

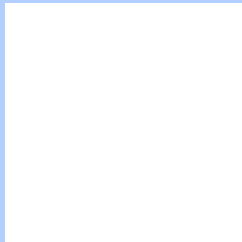
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 61.3106, 0.2629, 0.2745**

## **Background**



This preview shows how black text looks on a background with the Yxy color 61.3106, 0.2629, 0.2745.



This preview shows how white text looks on a background with the Yxy color 61.3106, 0.2629, 0.2745.

# 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

61.3106, 0.2629, 0.2745

### Protanopia

61.2095, 0.2742, 0.2744

### Deuteranopia

61.1354, 0.2756, 0.2696



## Tritanopia

61.5148, 0.2744, 0.3086

# Trichromacy



## Original Color

61.3106, 0.2629, 0.2745

## Protanomaly

60.9689, 0.2699, 0.2739

## Deuteranomaly

61.0082, 0.2705, 0.2711

## Tritanomaly

61.2649, 0.2703, 0.2960

# Monochromacy



## Original Color

61.3106, 0.2629, 0.2745

## Achromatopsia

60.3827, 0.3127, 0.3290

## Achromatomaly

60.5925, 0.2931, 0.3080

# CSS Examples

## Text

The CSS property to change the color of the text to  $Yxy$  61.3106, 0.2629, 0.2745 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, 207, 255)` looks like.

```
.text, #text, p{  
    color:rgb(178, 207, 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, 207, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(178, 207, 255) }
```

## Border

The CSS property to change the border of an element to Yxy 61.3106, 0.2629, 0.2745 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, 207, 255) }
```

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

```
.border{ border-color:rgb(178, 207, 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, 207, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(178, 207, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(178, 207, 255);  
box-shadow:4px 4px 4px 4px rgb(178, 207,  
255) }
```



# Background

The CSS property to change the background color of an element to Yxy 61.3106, 0.2629, 0.2745 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(178, 207, 255) }
```

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

```
.background{ background-color: rgb(178,  
207, 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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