

# Converting Colors

$Yxy(63.6822, 0.2773, 0.3003)$

Have a look what the booklet for  
Yxy(63.6822, 0.2773, 0.3003)  
contains.

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# Color

**Yxy(63.8933, 0.2775, 0.3013)**

# Conversions

## Conversions Part 1

Format	Color
Hex	B8D5ED
RGB	184, 213, 237
RGB Percent	72%, 84%, 93%
CMY	0.2783, 0.1647, 0.0708
CMYK	0.22, 0.10, 0.00, 0.07
HSL	207°, 59%, 83%
HSV	207°, 22%, 93%
XYZ	58.8463, 63.8933, 89.3191
YIQ	207.0650, -24.9880, 1.3160

# Conversions

## Conversions Part 2

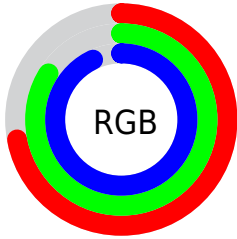
<b>Format</b>	<b>Color</b>
<b>RYB</b>	184, 203, 237
Decimal	12113389
CIELab	83.91, -4.50, -14.96
CIElCh	84, 15.625, 253.276
Yxy	63.8933, 0.2775, 0.3013
Android (android.graphics.Color)	4290303469 (0xFFB8D5ED)
YUV	207.0650, 14.7580, -20.2280
Hunter-Lab	79.9333, -8.4728, -10.2986

# Details

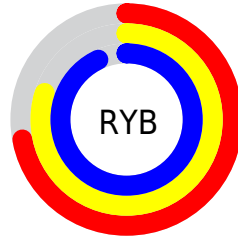
The Yxy color **63.8933, 0.2775, 0.3013** is a light color, and the websafe version is hex **99CCFF**. A complement of this color would be **66.5604, 0.3528, 0.3552**, and the grayscale version is **62.3588, 0.3127, 0.3290**.

A 20% lighter version of the original color is **97.4408, 0.3041, 0.3290**, and **32.5357, 0.2689, 0.2938** is the 20% darker color. If you saturate the color by 10%, you get **55.9925, 0.2614, 0.2868**, and if you desaturate by 10%, it is **72.6461, 0.2935, 0.3145**.

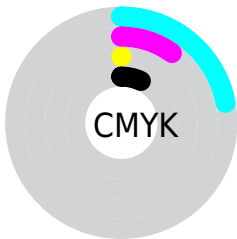
# Distribution



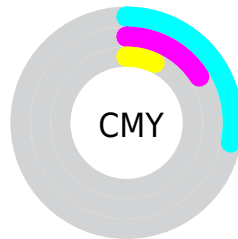
- Red (72%)
- Green (84%)
- Blue (93%)



- Red (72%)
- Yellow (80%)
- Blue (93%)



- Cyan (22%)
- Magenta (10%)
- Yellow (0%)
- Black (7%)



- Cyan (28%)
- Magenta (16%)
- Yellow (7%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 63.8933, 0.2775, 0.3013 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 63.8933, 0.2775, 0.3013 by changing the saturation by 10% instead.



■ 63.8933, 0.2775,  
0.3013

■ 63.8933, 0.2775,  
0.3013

438.8042, 0.2940,  
0.3145

■ 46.5643, 0.2737,  
0.2982

■ 110.4573, 0.2833,  
0.3059

■ 32.6913, 0.2690,  
0.2944

140.4610, 0.2855,  
0.3077

■ 21.8901, 0.2629,  
0.2894

175.4583, 0.2874,  
0.3092

■ 13.7762, 0.2550,  
0.2828

215.8338, 0.2891,  
0.3106

■ 7.9651, 0.2442,  
0.2737

261.9717, 0.2905,  
0.3117

■ 4.0727, 0.2285,  
0.2602

314.2565, 0.2918,

■ 1.7143, 0.2038,

0.3128

0.2385

373.0725, 0.2930,  
0.3137

0.4329, 0.1276,  
0.1831

0.0000, 0.0000,  
0.0000

63.8933, 0.2775,  
0.3013

63.8933, 0.2775,  
0.3013

55.9925, 0.2614,  
0.2868

72.6461, 0.2935,  
0.3145

48.9047, 0.2455,  
0.2711

82.2726, 0.3091,  
0.3264

42.5991, 0.2304,  
0.2544

92.7818, 0.3241,  
0.3370

37.0391, 0.2164,  
0.2370

98.8920, 0.3232,  
0.3464

■ 32.1846, 0.2040,  
0.2191

■ 27.9902, 0.1937,  
0.2014

■ 24.4025, 0.1857,  
0.1841

■ 22.0048, 0.1810,  
0.1715

# Harmonies

## Analogous

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



63.8933, 0.2757, 0.3143



63.8933, 0.2775, 0.3013



63.8933, 0.2885, 0.2960

# Triad

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



63.8933, 0.2775, 0.3013



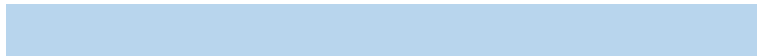
63.8933, 0.3428, 0.3250



63.8933, 0.3183, 0.3612

# Complementary

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



63.8933, 0.2775, 0.3013



66.5604, 0.3528, 0.3552

# 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.



63.8933, 0.3368, 0.3634



63.8933, 0.2775, 0.3013



63.8933, 0.3513, 0.3418

# Square

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



63.8933, 0.2775, 0.3013



63.8933, 0.3261, 0.3097



63.8933, 0.3490, 0.3559



63.8933, 0.2988, 0.3496



# Rectangle

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



63.8933, 0.2775, 0.3013



63.8933, 0.2997, 0.2973



63.8933, 0.3490, 0.3559



63.8933, 0.3249, 0.3631

# Sweetspot

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



63.8959, 0.2775, 0.3013



91.7244, 0.3019, 0.3210



75.2842, 0.2959, 0.3627



19.4853, 0.3009, 0.3203



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

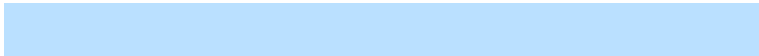


# Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



63.8959, 0.2775, 0.3013



70.9050, 0.2698, 0.2945



51.7065, 0.2751, 0.2697



15.9158, 0.2981, 0.3181



12.2845, 0.1817, 0.1741



1.1565, 0.1882, 0.1974



# Inverse Universe

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



57.0927, 0.3341, 0.2977



61.8144, 0.3399, 0.2907



80.4825, 0.3470, 0.3822



15.1921, 0.3207, 0.3162



10.7329, 0.4756, 0.2394

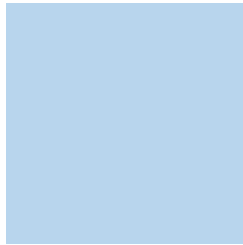


0.8622, 0.4483, 0.2243



# Previews

## White Background



This preview shows how the Yxy color 63.8933, 0.2775, 0.3013 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

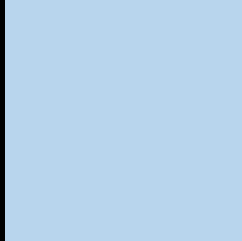
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 63.8933, 0.2775, 0.3013 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

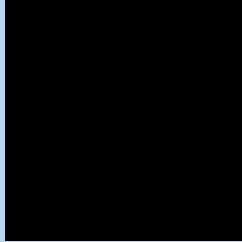
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

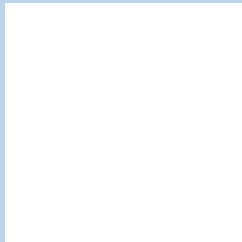
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 63.8933, 0.2775, 0.3013**

## Background



This preview shows how black text looks on a background with the Yxy color 63.8933, 0.2775, 0.3013.



This preview shows how white text looks on a background with the Yxy color 63.8933, 0.2775, 0.3013.

# 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

63.8933, 0.2775, 0.3013

### Protanopia

63.4880, 0.2937, 0.2998

### Deuteranopia

63.8648, 0.2969, 0.2908



## Tritanopia

63.9299, 0.2804, 0.3091

# Trichromacy



**Original Color**

63.8933, 0.2775, 0.3013

**Protanomaly**

63.4118, 0.2876, 0.3006

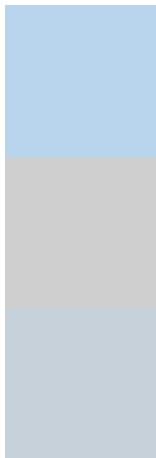
**Deuteranomaly**

63.6361, 0.2898, 0.2944

**Tritanomaly**

64.0436, 0.2793, 0.3069

# Monochromacy



**Original Color**

63.8933, 0.2775, 0.3013

**Achromatopsia**

62.3960, 0.3127, 0.3290

**Achromatomaly**

62.8050, 0.2993, 0.3186

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 63.8933, 0.2775, 0.3013 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(184, 213, 237)` looks like.

```
.text, #text, p{  
    color:rgb(184, 213, 237)  
}
```

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(184, 213, 237) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(184, 213, 237) }
```

## Border

The CSS property to change the border of an element to Yxy 63.8933, 0.2775, 0.3013 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(184, 213, 237) }
```

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

```
.border{ border-color:rgb(184, 213, 237) }
```

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

Here you see how a box with a 4 pixel `rgb(184, 213, 237)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(184, 213, 237); -webkit-box-  
shadow:4px 4px 4px 4px rgb(184, 213, 237);  
box-shadow:4px 4px 4px 4px rgb(184, 213,  
237) }
```



# Background

The CSS property to change the background color of an element to Yxy 63.8933, 0.2775, 0.3013 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(184, 213, 237) }
```

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

```
.background{ background-color: rgb(184,  
213, 237) }
```

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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