

# Converting Colors

$Yxy(78.7715, 0.2831, 0.3079)$

Have a look what the booklet for  
Yxy(78.7715, 0.2831, 0.3079)  
contains.

<b>Yxy(79.0593, 0.2836, 0.3088)</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(79.0593, 0.2836, 0.3088)**

# Conversions

## Conversions Part 1

Format	Color
Hex	CEEAFD
RGB	206, 234, 253
RGB Percent	81%, 92%, 99%
CMY	0.1921, 0.0823, 0.0079
CMYK	0.19, 0.08, 0.00, 0.01
HSL	204°, 92%, 90%
HSV	204°, 19%, 99%
XYZ	72.6076, 79.0593, 104.3542
YIQ	227.7940, -22.7870, -0.0270

# Conversions

## Conversions Part 2

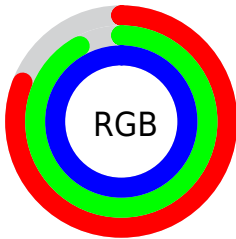
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	206, 224, 253
Decimal	13560573
CIE Lab	91.26, -5.26, -12.25
CIE LCh	91, 13.336, 246.768
Yxy	79.0593, 0.2836, 0.3088
Android (android.graphics.Color)	4291750653 (0xFFCCEAFD)
YUV	227.7940, 12.4266, -19.1133
Hunter-Lab	88.9153, -9.8400, -7.3442

# Details

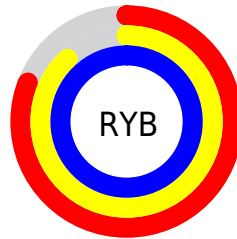
The Yxy color **79.0593, 0.2836, 0.3088** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **79.1917, 0.3457, 0.3484**, and the grayscale version is **77.3481, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **42.4056, 0.2772, 0.3041** is the 20% darker color. If you saturate the color by 10%, you get **70.0717, 0.2677, 0.2963**, and if you desaturate by 10%, it is **88.9724, 0.2994, 0.3202**.

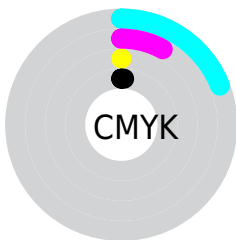
# Distribution



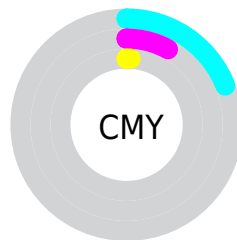
- Red (81%)
- Green (92%)
- Blue (99%)



- Red (81%)
- Yellow (88%)
- Blue (99%)



- Cyan (19%)
- Magenta (8%)
- Yellow (0%)
- Black (1%)



- Cyan (19%)
- Magenta (8%)
- Yellow (1%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 79.0593, 0.2836, 0.3088 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 79.0593, 0.2836, 0.3088 by changing the saturation by 10% instead.



■ 79.0593, 0.2836,  
0.3088

■ 79.0593, 0.2836,  
0.3088

■ 491.7569, 0.2968,  
0.3181

■ 58.9446, 0.2807,  
0.3067

■ 132.0423, 0.2881,  
0.3120

■ 42.5685, 0.2771,  
0.3041

■ 165.6794, 0.2899,  
0.3133

■ 29.5467, 0.2726,  
0.3008

■ 204.5928, 0.2914,  
0.3143

■ 19.4948, 0.2668,  
0.2966

■ 249.1668, 0.2927,  
0.3153

■ 12.0283, 0.2592,  
0.2909

■ 299.7858, 0.2939,  
0.3161

■ 6.7630, 0.2485,  
0.2828

■ 356.8342, 0.2950,

■ 3.3143, 0.2326,

0.3168

0.2704

420.6965, 0.2959,  
0.3175

■ 1.2979, 0.2066,  
0.2494

■ 0.1396, 0.0037,  
0.1210

■ 79.0593, 0.2836,  
0.3088

■ 79.0593, 0.2836,  
0.3088

■ 70.0717, 0.2677,  
0.2963

■ 88.9724, 0.2994,  
0.3202

■ 61.9663, 0.2521,  
0.2827

■ 99.5251, 0.3139,  
0.3304

■ 54.7105, 0.2371,  
0.2682

■ 99.8714, 0.3139,  
0.3309

■ 48.2655, 0.2233,  
0.2529

■ 42.5885, 0.2110,  
0.2371

■ 37.6313, 0.2006,  
0.2212

■ 33.3382, 0.1924,  
0.2054

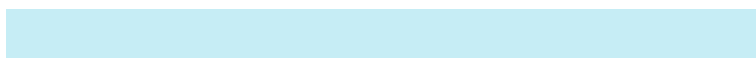
■ 29.6319, 0.1864,  
0.1902

■ 29.1355, 0.1856,  
0.1881

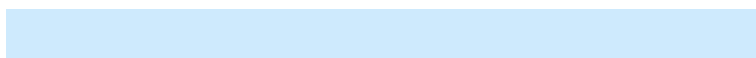
# Harmonies

## Analogous

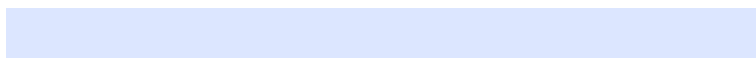
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



79.0593, 0.2838, 0.3203



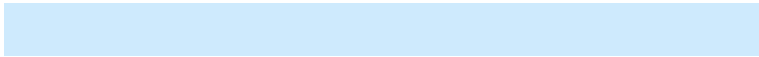
79.0593, 0.2836, 0.3088



79.0593, 0.2910, 0.3030

# Triad

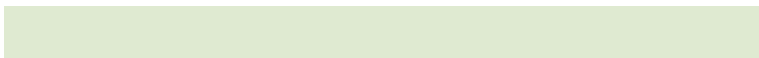
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



79.0593, 0.2836, 0.3088



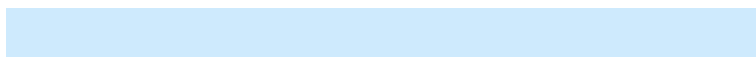
79.0593, 0.3342, 0.3230



79.0593, 0.3207, 0.3555

# Complementary

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



79.0593, 0.2836, 0.3088



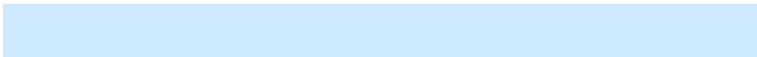
79.1917, 0.3457, 0.3484

# 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.



79.0593, 0.3346, 0.3556



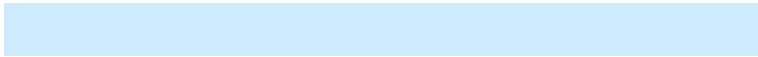
79.0593, 0.2836, 0.3088



79.0593, 0.3425, 0.3365

# Square

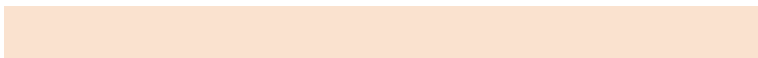
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



79.0593, 0.2836, 0.3088



79.0593, 0.3200, 0.3113



79.0593, 0.3426, 0.3485

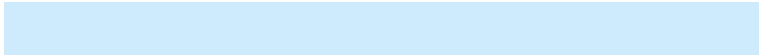


79.0593, 0.3050, 0.3478



# Rectangle

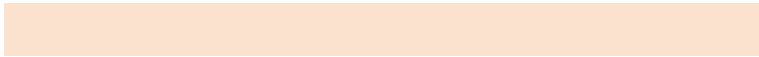
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



79.0593, 0.2836, 0.3088



79.0593, 0.2993, 0.3029



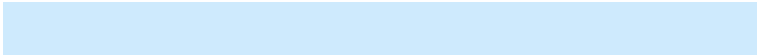
79.0593, 0.3426, 0.3485



79.0593, 0.3257, 0.3564

# Sweetspot

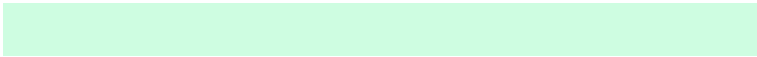
The Sweet Spot groups the original color and five complimentary colors.



79.0625, 0.2836, 0.3088



93.3299, 0.3034, 0.3229



88.7956, 0.2999, 0.3591



19.8256, 0.3024, 0.3222



0.0000, 0.0000, 0.0000

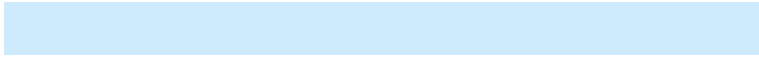


21.4041, 0.3127, 0.3290

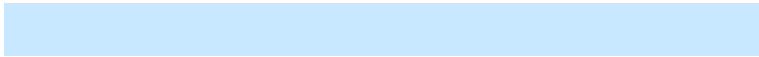


# Same Dimension

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



79.0625, 0.2836, 0.3088



77.2432, 0.2781, 0.3046



66.6616, 0.2822, 0.2832



19.1775, 0.2979, 0.3192



15.7935, 0.1863, 0.1905



1.7523, 0.1911, 0.2079



# Inverse Universe

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



70.9720, 0.3283, 0.3009



67.9054, 0.3318, 0.2955



92.6545, 0.3416, 0.3710



18.1688, 0.3200, 0.3149



12.3223, 0.4562, 0.2287

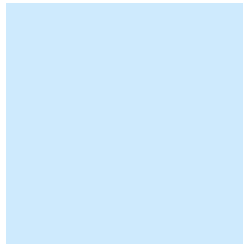


1.2214, 0.4365, 0.2178



# Previews

## White Background



This preview shows how the Yxy color 79.0593, 0.2836, 0.3088 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

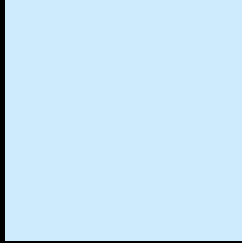
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 79.0593, 0.2836, 0.3088 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

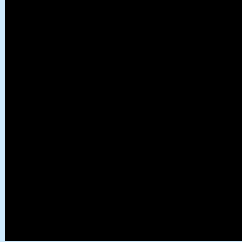
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

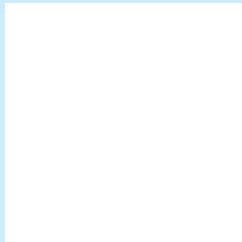
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 79.0593, 0.2836, 0.3088**

## **Background**



This preview shows how black text looks on a background with the Yxy color 79.0593, 0.2836, 0.3088.

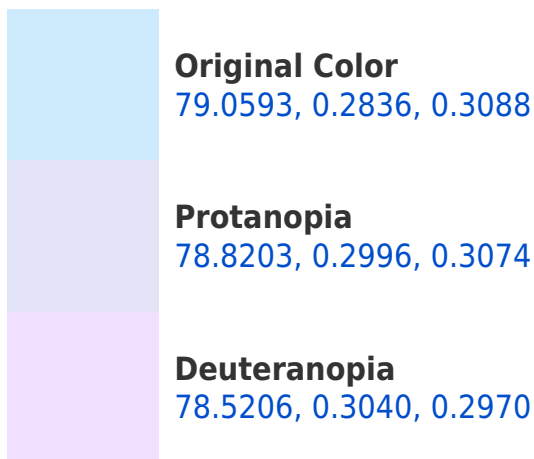


This preview shows how white text looks on a background with the Yxy color 79.0593, 0.2836, 0.3088.

# 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

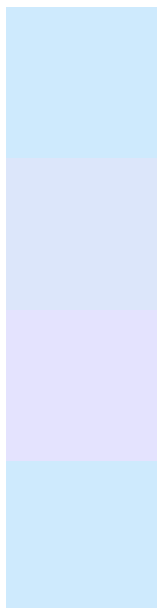




## Tritanopia

79.0593, 0.2836, 0.3088

# Trichromacy



## Original Color

79.0593, 0.2836, 0.3088

## Protanomaly

78.7114, 0.2939, 0.3081

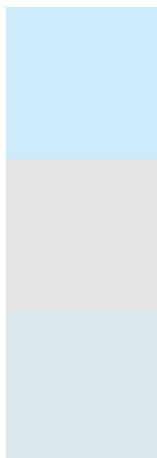
## Deuteranomaly

78.5879, 0.2966, 0.3013

## Tritanomaly

79.0593, 0.2836, 0.3088

# Monochromacy



## Original Color

79.0593, 0.2836, 0.3088

## Achromatopsia

77.5822, 0.3127, 0.3290

## Achromatomaly

77.9237, 0.3016, 0.3216

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 79.0593, 0.2836, 0.3088 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(206, 234, 253)` looks like.

```
.text, #text, p{  
    color:rgb(206, 234, 253)  
}
```

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(206, 234, 253) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(206, 234, 253) }
```

## Border

The CSS property to change the border of an element to Yxy 79.0593, 0.2836, 0.3088 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(206, 234, 253) }
```

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

```
.border{ border-color:rgb(206, 234, 253) }
```

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

Here you see how a box with a 4 pixel `rgb(206, 234, 253)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(206, 234, 253); -webkit-box-  
shadow:4px 4px 4px 4px rgb(206, 234, 253);  
box-shadow:4px 4px 4px 4px rgb(206, 234,  
253) }
```



# Background

The CSS property to change the background color of an element to Yxy 79.0593, 0.2836, 0.3088 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(206, 234, 253) }
```

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

```
.background{ background-color: rgb(206,  
234, 253) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

**[Learn more, Memberships starting at \\$2.50/m!](#)**

**Follow me  
on Twitter!**

@ConvertingColor