

# Converting Colors

$Y_{xy}(79.1239, 0.2759, 0.2900)$

Have a look what the booklet for  
Yxy(79.1239, 0.2759, 0.2900)  
contains.

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# Color

**Yxy(78.3431, 0.2836, 0.3047)**

# Conversions

## Conversions Part 1

Format	Color
Hex	D0E8FF
RGB	208, 232, 255
RGB Percent	82%, 91%, 100%
CMY	0.1842, 0.0902, 0.0001
CMYK	0.18, 0.09, 0.00, 0.00
HSL	209°, 100%, 91%
HSV	209°, 18%, 100%
XYZ	72.9180, 78.3431, 105.8545
YIQ	227.4460, -21.6870, 2.0650

# Conversions

## Conversions Part 2

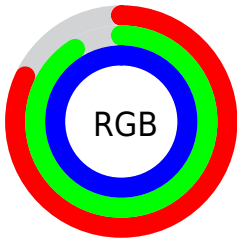
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	208, 224, 255
Decimal	13691135
CIE Lab	90.94, -3.21, -13.76
CIE LCh	91, 14.125, 256.865
Yxy	78.3431, 0.2836, 0.3047
Android (android.graphics.Color)	4291881215 (0xFFD0E8FF)
YUV	227.4460, 13.5841, -17.0541
Hunter-Lab	88.5116, -7.8429, -8.9490

# Details

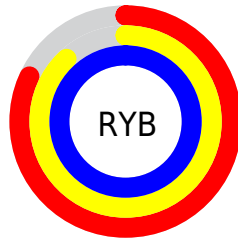
The Yxy color **78.3431, 0.2836, 0.3047** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **82.9489, 0.3447, 0.3521**, and the grayscale version is **77.0715, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **41.9002, 0.2771, 0.2988** is the 20% darker color. If you saturate the color by 10%, you get **68.1691, 0.2672, 0.2894**, and if you desaturate by 10%, it is **89.6158, 0.2997, 0.3185**.

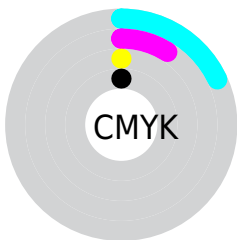
# Distribution



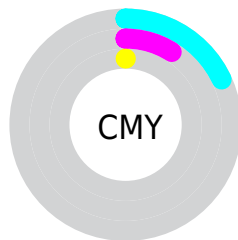
- Red (82%)
- Green (91%)
- Blue (100%)



- Red (82%)
- Yellow (88%)
- Blue (100%)



- Cyan (18%)
- Magenta (9%)
- Yellow (0%)
- Black (0%)



- Cyan (18%)
- Magenta (9%)
- Yellow (0%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 78.3431, 0.2836, 0.3047 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 78.3431, 0.2836, 0.3047 by changing the saturation by 10% instead.



■ 78.3431, 0.2836,  
0.3047

■ 78.3431, 0.2836,  
0.3047

489.3313, 0.2968,  
0.3158

■ 58.3559, 0.2807,  
0.3022

131.0337, 0.2881,  
0.3085

■ 42.0948, 0.2771,  
0.2991

164.5058, 0.2899,  
0.3100

■ 29.1755, 0.2726,  
0.2952

203.2417, 0.2914,  
0.3113

■ 19.2137, 0.2668,  
0.2902

247.6257, 0.2928,  
0.3125

■ 11.8248, 0.2590,  
0.2835

298.0423, 0.2940,  
0.3134

■ 6.6245, 0.2482,  
0.2740

354.8758, 0.2950,

■ 3.2284, 0.2321,

0.3143

0.2596

418.5107, 0.2959,  
0.3151

■ 1.2521, 0.2058,  
0.2356

■ 0.1036, 0.0168,  
0.0862

■ 78.3431, 0.2836,  
0.3047

■ 78.3431, 0.2836,  
0.3047

■ 68.1691, 0.2672,  
0.2894

■ 89.6158, 0.2997,  
0.3185

■ 59.0455, 0.2508,  
0.2728

99.9977, 0.3127,  
0.3290

■ 50.9342, 0.2348,  
0.2549

■ 43.7909, 0.2197,  
0.2362

■ 37.5667, 0.2061,  
0.2169

■ 32.2075, 0.1945,  
0.1975

■ 27.6505, 0.1852,  
0.1787

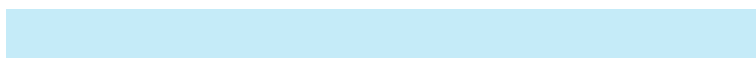
■ 23.8127, 0.1783,  
0.1609

■ 23.2531, 0.1773,  
0.1582

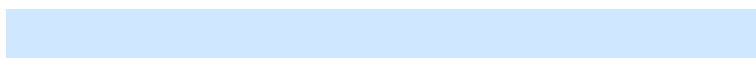
# Harmonies

## Analogous

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



78.3431, 0.2810, 0.3151



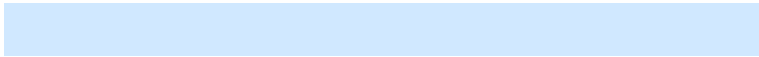
78.3431, 0.2836, 0.3047



78.3431, 0.2938, 0.3010

# Triad

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



78.3431, 0.2836, 0.3047



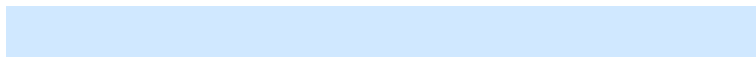
78.3431, 0.3394, 0.3274



78.3431, 0.3155, 0.3553

# Complementary

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



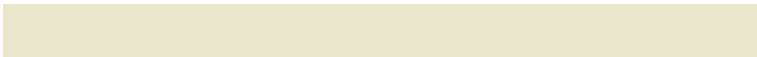
78.3431, 0.2836, 0.3047



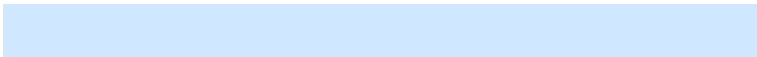
82.9489, 0.3447, 0.3521

# Split Complementary

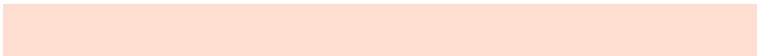
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



78.3431, 0.3314, 0.3582



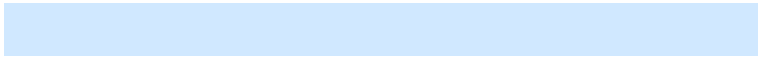
78.3431, 0.2836, 0.3047



78.3431, 0.3455, 0.3416

# Square

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



78.3431, 0.2836, 0.3047



78.3431, 0.3260, 0.3140



78.3431, 0.3425, 0.3529

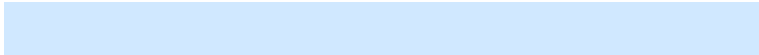


78.3431, 0.2992, 0.3447



# Rectangle

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



78.3431, 0.2836, 0.3047



78.3431, 0.3037, 0.3025



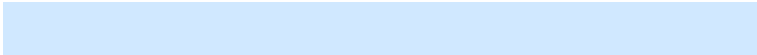
78.3431, 0.3425, 0.3529



78.3431, 0.3211, 0.3572

# Sweetspot

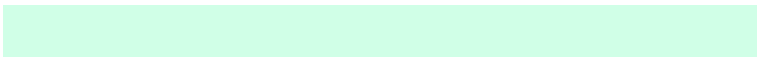
The Sweet Spot groups the original color and five complimentary colors.



78.3463, 0.2836, 0.3047



92.5309, 0.3034, 0.3216



90.6630, 0.2978, 0.3546



19.6367, 0.3024, 0.3208



0.0000, 0.0000, 0.0000

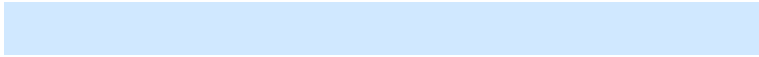


21.4041, 0.3127, 0.3290

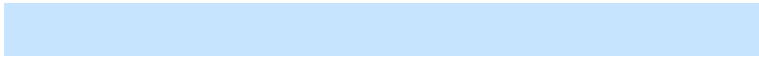


# Same Dimension

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



78.3463, 0.2836, 0.3047



74.5946, 0.2777, 0.2994



66.1350, 0.2822, 0.2793



18.9123, 0.2979, 0.3171



12.4541, 0.1781, 0.1610



1.4313, 0.1837, 0.1813



# Inverse Universe

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



72.2015, 0.3310, 0.3050



67.6380, 0.3354, 0.3001



96.8070, 0.3407, 0.3743



18.1420, 0.3214, 0.3169



11.9852, 0.4918, 0.2483

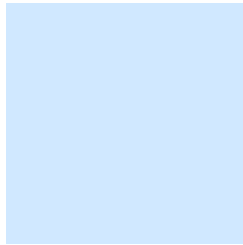


1.1890, 0.4670, 0.2346



# Previews

## White Background



This preview shows how the Yxy color 78.3431, 0.2836, 0.3047 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

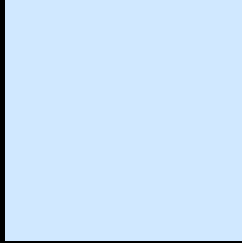
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 78.3431, 0.2836, 0.3047 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

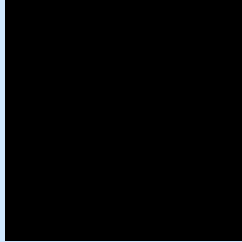
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

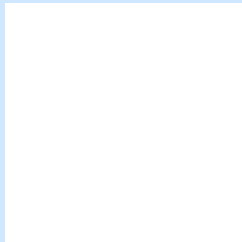
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 78.3431, 0.2836, 0.3047**

## **Background**



This preview shows how black text looks on a background with the Yxy color 78.3431, 0.2836, 0.3047.

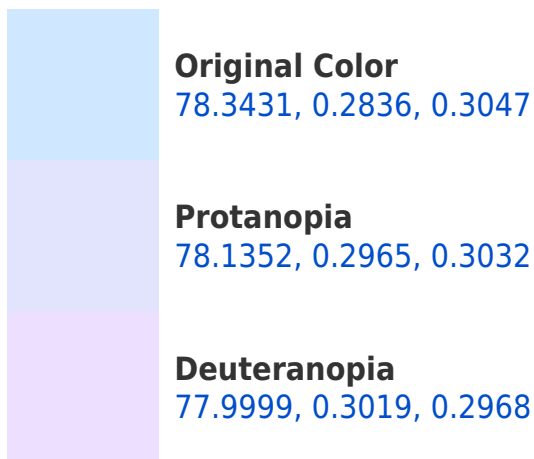


This preview shows how white text looks on a background with the Yxy color 78.3431, 0.2836, 0.3047.

# 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

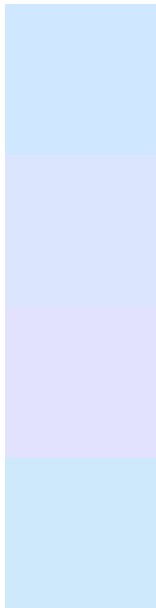




## Tritanopia

78.5083, 0.2853, 0.3098

# Trichromacy



**Original Color**

78.3431, 0.2836, 0.3047

**Protanomaly**

78.1905, 0.2914, 0.3040

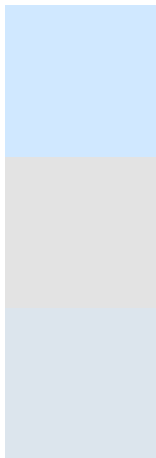
**Deuteranomaly**

77.7815, 0.2947, 0.2992

**Tritanomaly**

78.5715, 0.2847, 0.3088

# Monochromacy



**Original Color**

78.3431, 0.2836, 0.3047

**Achromatopsia**

76.8151, 0.3127, 0.3290

**Achromatomaly**

77.3687, 0.3017, 0.3205

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 78.3431, 0.2836, 0.3047 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(208, 232, 255)` looks like.

```
.text, #text, p{  
    color:rgb(208, 232, 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(208, 232, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(208, 232, 255) }
```

## Border

The CSS property to change the border of an element to Yxy 78.3431, 0.2836, 0.3047 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(208, 232, 255) }
```

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

```
.border{ border-color:rgb(208, 232, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(208, 232, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(208, 232, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(208, 232, 255);  
box-shadow:4px 4px 4px 4px rgb(208, 232,  
255) }
```



# Background

The CSS property to change the background color of an element to Yxy 78.3431, 0.2836, 0.3047 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(208, 232, 255) }
```

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

```
.background{ background-color: rgb(208,  
232, 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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