

# Converting Colors

$Yxy(80.5080, 0.2540, 0.2462)$

Have a look what the booklet for  
Yxy(80.5080, 0.2540, 0.2462)  
contains.

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# Color

**Yxy(76.2621, 0.2839, 0.3004)**

# Conversions

## Conversions Part 1

Format	Color
Hex	D1E4FF
RGB	209, 228, 255
RGB Percent	82%, 89%, 100%
CMY	0.1807, 0.1058, 0.0000
CMYK	0.18, 0.11, 0.00, 0.00
HSL	215°, 100%, 91%
HSV	215°, 18%, 100%
XYZ	72.0733, 76.2621, 105.5331
YIQ	225.3970, -19.9910, 4.3690

# Conversions

## Conversions Part 2

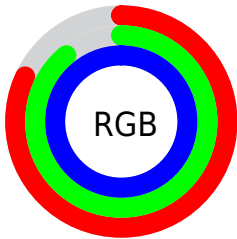
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	209, 222, 255
Decimal	13755647
CIE Lab	89.98, -0.87, -15.20
CIE LCh	90, 15.227, 266.739
Yxy	76.2621, 0.2839, 0.3004
Android (android.graphics.Color)	4291945727 (0xFFD1E4FF)
YUV	225.3970, 14.5943, -14.3802
Hunter-Lab	87.3282, -5.5055, -10.5202

# Details

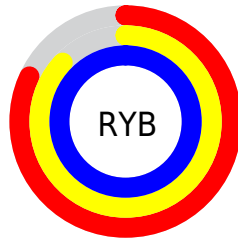
The Yxy color **76.2621, 0.2839, 0.3004** is a light color, and the websafe version is hex **CCCCFF**. A complement of this color would be **85.7971, 0.3432, 0.3560**, and the grayscale version is **75.4931, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **40.8344, 0.2776, 0.2947** is the 20% darker color. If you saturate the color by 10%, you get **64.9748, 0.2669, 0.2820**, and if you desaturate by 10%, it is **88.8597, 0.3002, 0.3170**.

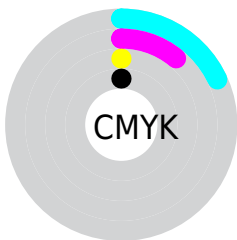
# Distribution



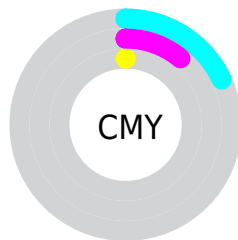
- Red (82%)
- Green (89%)
- Blue (100%)



- Red (82%)
- Yellow (87%)
- Blue (100%)



- Cyan (18%)
- Magenta (11%)
- Yellow (0%)
- Black (0%)



- Cyan (18%)
- Magenta (11%)
- Yellow (0%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 76.2621, 0.2839, 0.3004 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 76.2621, 0.2839, 0.3004 by changing the saturation by 10% instead.



■ 76.2621, 0.2839,  
0.3004

■ 76.2621, 0.2839,  
0.3004

482.2444, 0.2970,  
0.3135

■ 56.6475, 0.2810,  
0.2975

128.0973, 0.2884,  
0.3049

■ 40.7223, 0.2773,  
0.2938

161.0867, 0.2902,  
0.3067

■ 28.1021, 0.2728,  
0.2893

199.3031, 0.2917,  
0.3082

■ 18.4027, 0.2669,  
0.2834

243.1309, 0.2930,  
0.3095

■ 11.2395, 0.2591,  
0.2756

292.9546, 0.2942,  
0.3107

■ 6.2281, 0.2481,  
0.2645

349.1585, 0.2953,

■ 2.9843, 0.2316,

0.3117

0.2478

412.1270, 0.2962,  
0.3126

■ 1.1235, 0.2043,  
0.2200

■ 0.0000, 0.0000,  
0.0000

■ 76.2621, 0.2839,  
0.3004

■ 76.2621, 0.2839,  
0.3004

■ 64.9748, 0.2669,  
0.2820

■ 88.8597, 0.3002,  
0.3170

■ 54.9434, 0.2496,  
0.2619

100.0000, 0.3127,  
0.3290

■ 46.1216, 0.2325,  
0.2403

■ 38.4564, 0.2160,  
0.2177

■ 31.8906, 0.2010,  
0.1946

■ 26.3603, 0.1880,  
0.1719

■ 21.7933, 0.1775,  
0.1503

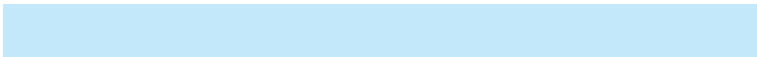
■ 18.0976, 0.1699,  
0.1307

■ 17.4629, 0.1687,  
0.1271

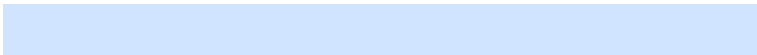
# Harmonies

## Analogous

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



76.2621, 0.2782, 0.3094



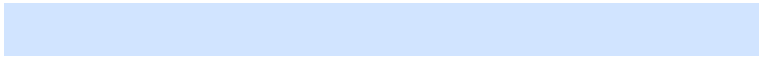
76.2621, 0.2839, 0.3004



76.2621, 0.2972, 0.2990

# Triad

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



76.2621, 0.2839, 0.3004



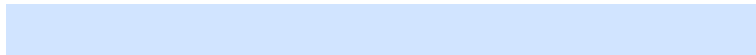
76.2621, 0.3450, 0.3324



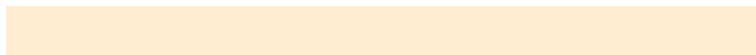
76.2621, 0.3097, 0.3547

# Complementary

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



76.2621, 0.2839, 0.3004



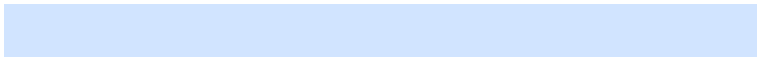
85.7971, 0.3432, 0.3560

# Split Complementary

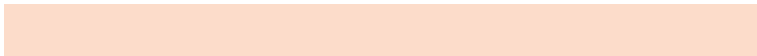
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



76.2621, 0.3277, 0.3608



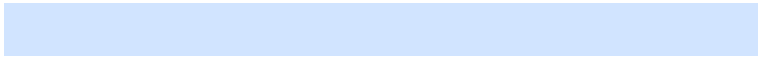
76.2621, 0.2839, 0.3004



76.2621, 0.3484, 0.3472

# Square

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



76.2621, 0.2839, 0.3004



76.2621, 0.3326, 0.3172



76.2621, 0.3420, 0.3578



76.2621, 0.2929, 0.3410



# Rectangle

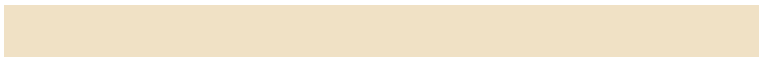
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



76.2621, 0.2839, 0.3004



76.2621, 0.3088, 0.3023



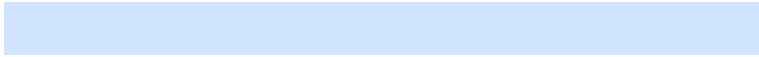
76.2621, 0.3420, 0.3578



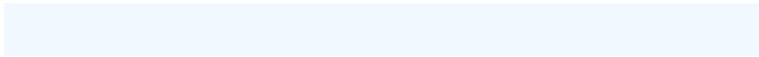
76.2621, 0.3158, 0.3577

# Sweetspot

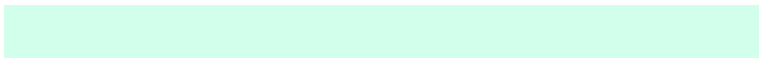
The Sweet Spot groups the original color and five complimentary colors.



76.2648, 0.2839, 0.3004



92.9902, 0.3050, 0.3217



91.1099, 0.2956, 0.3491



19.6987, 0.3039, 0.3206



0.0000, 0.0000, 0.0000

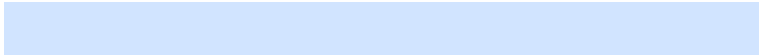


21.4041, 0.3127, 0.3290



# Same Dimension

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



76.2648, 0.2839, 0.3004



71.6709, 0.2773, 0.2934



66.8983, 0.2853, 0.2799



18.6144, 0.2979, 0.3147



9.4025, 0.1695, 0.1301



1.1249, 0.1757, 0.1523



# Inverse Universe

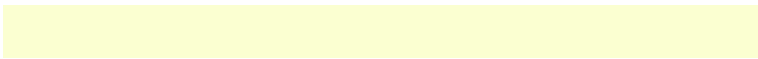
The Inverse Universe completely reimagines the original color for something new.



72.4294, 0.3338, 0.3099



67.3428, 0.3395, 0.3055



96.6591, 0.3375, 0.3745



18.1119, 0.3229, 0.3192



11.6772, 0.5325, 0.2707

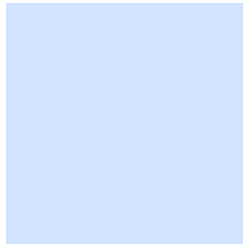


1.1581, 0.5029, 0.2544



# Previews

## White Background



This preview shows how the Yxy color 76.2621, 0.2839, 0.3004 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

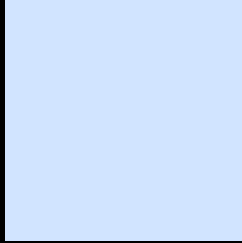
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 76.2621, 0.2839, 0.3004 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

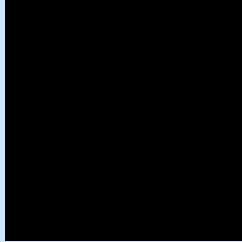
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

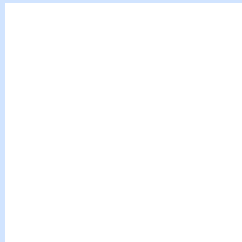
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 76.2621, 0.2839, 0.3004**

## Background



This preview shows how black text looks on a background with the Yxy color 76.2621, 0.2839, 0.3004.

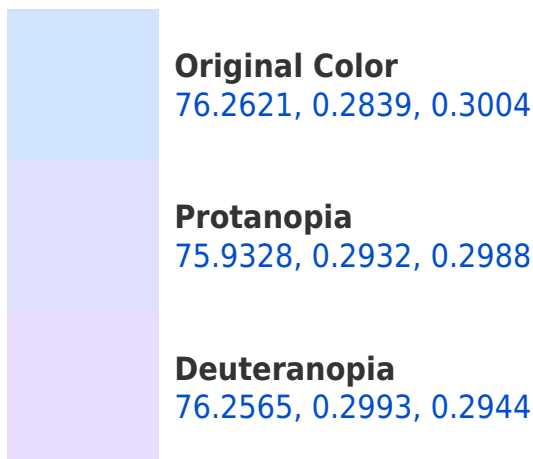


This preview shows how white text looks on a background with the Yxy color 76.2621, 0.2839, 0.3004.

# 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

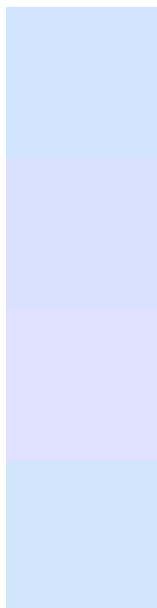




## Tritanopia

76.1639, 0.2879, 0.3097

# Trichromacy



## Original Color

76.2621, 0.2839, 0.3004

## Protanomaly

75.7579, 0.2894, 0.2986

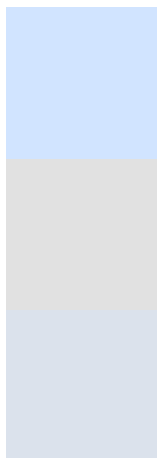
## Deuteranomaly

76.3786, 0.2933, 0.2970

## Tritanomaly

76.3506, 0.2862, 0.3066

# Monochromacy



## Original Color

76.2621, 0.2839, 0.3004

## Achromatopsia

75.2942, 0.3127, 0.3290

## Achromatomaly

75.5089, 0.3016, 0.3183

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 76.2621, 0.2839, 0.3004 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(209, 228, 255)` looks like.

```
.text, #text, p{  
    color:rgb(209, 228, 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(209, 228, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(209, 228, 255) }
```

## Border

The CSS property to change the border of an element to Yxy 76.2621, 0.2839, 0.3004 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(209, 228, 255) }
```

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

```
.border{ border-color:rgb(209, 228, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(209, 228, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(209, 228, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(209, 228, 255);  
box-shadow:4px 4px 4px 4px rgb(209, 228,  
255) }
```



# Background

The CSS property to change the background color of an element to Yxy 76.2621, 0.2839, 0.3004 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(209, 228, 255) }
```

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

```
.background{ background-color: rgb(209,  
228, 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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