

# Converting Colors

$Yxy(80.4099, 0.2505, 0.2482)$

Have a look what the booklet for  
Yxy(80.4099, 0.2505, 0.2482)  
contains.

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# Color

**Yxy(76.2311, 0.2792, 0.3022)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	C9E6FF
RGB	201, 230, 255
RGB Percent	79%, 90%, 100%
CMY	0.2118, 0.0980, 0.0001
CMYK	0.21, 0.10, 0.00, 0.00
HSL	208°, 100%, 89%
HSV	208°, 21%, 100%
XYZ	70.4293, 76.2311, 105.5934
YIQ	224.1790, -25.3090, 1.6270

# Conversions

## Conversions Part 2

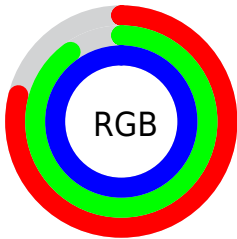
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	201, 220, 255
Decimal	13231871
CIE <sub>Lab</sub>	89.97, -4.30, -15.26
CIE <sub>LCh</sub>	90, 15.858, 254.275
Yxy	76.2311, 0.2792, 0.3022
Android (android.graphics.Color)	4291421951 (0xFFC9E6FF)
YUV	224.1790, 15.1948, -20.3280
Hunter-Lab	87.3104, -8.8056, -10.5882

# Details

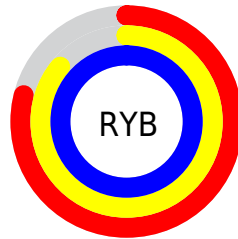
The Yxy color **76.2311, 0.2792, 0.3022** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **79.8457, 0.3505, 0.3544**, and the grayscale version is **74.5788, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **40.8482, 0.2717, 0.2969** is the 20% darker color. If you saturate the color by 10%, you get **66.6450, 0.2629, 0.2874**, and if you desaturate by 10%, it is **86.8540, 0.2953, 0.3156**.

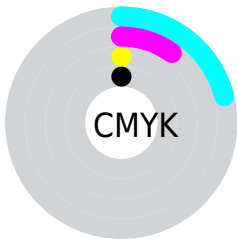
# Distribution



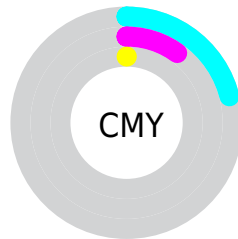
- Red (79%)
- Green (90%)
- Blue (100%)



- Red (79%)
- Yellow (86%)
- Blue (100%)



- Cyan (21%)
- Magenta (10%)
- Yellow (0%)
- Black (0%)



- Cyan (21%)
- Magenta (10%)
- Yellow (0%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 76.2311, 0.2792, 0.3022 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 76.2311, 0.2792, 0.3022 by changing the saturation by 10% instead.



■ 76.2311, 0.2792,  
0.3022

■ 76.2311, 0.2792,  
0.3022

482.1384, 0.2944,  
0.3145

■ 56.6220, 0.2758,  
0.2994

128.0535, 0.2844,  
0.3065

■ 40.7019, 0.2716,  
0.2960

161.0357, 0.2865,  
0.3081

■ 28.0862, 0.2664,  
0.2916

199.2443, 0.2882,  
0.3096

■ 18.3906, 0.2597,  
0.2860

243.0638, 0.2898,  
0.3108

■ 11.2308, 0.2507,  
0.2784

292.8786, 0.2912,  
0.3119

■ 6.2223, 0.2382,  
0.2676

349.0730, 0.2924,

■ 2.9807, 0.2195,

0.3129

0.2512

412.0315, 0.2935,  
0.3138

1.1217, 0.1890,  
0.2237

0.0000, 0.0000,  
0.0000

76.2311, 0.2792,  
0.3022

76.2311, 0.2792,  
0.3022

66.6450, 0.2629,  
0.2874

86.8540, 0.2953,  
0.3156

58.0489, 0.2469,  
0.2714

98.5399, 0.3109,  
0.3277

50.4054, 0.2314,  
0.2543

99.9988, 0.3127,  
0.3290

43.6708, 0.2171,  
0.2365

■ 37.7968, 0.2044,  
0.2182

■ 32.7293, 0.1937,  
0.2000

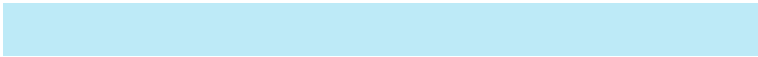
■ 28.4047, 0.1854,  
0.1823

■ 25.1237, 0.1798,  
0.1673

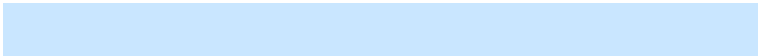
# Harmonies

## Analogous

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



76.2311, 0.2771, 0.3144



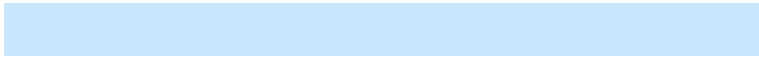
76.2311, 0.2792, 0.3022



76.2311, 0.2900, 0.2974

# Triad

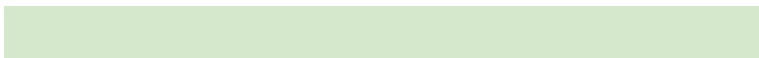
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



76.2311, 0.2792, 0.3022



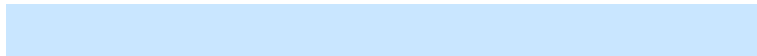
76.2311, 0.3419, 0.3257



76.2311, 0.3175, 0.3596

# Complementary

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



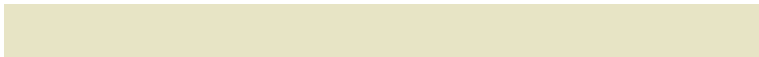
76.2311, 0.2792, 0.3022



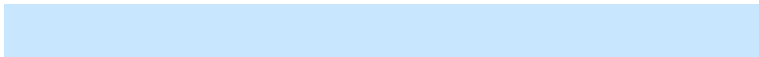
79.8457, 0.3505, 0.3544

# 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.



76.2311, 0.3353, 0.3620



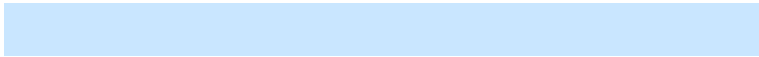
76.2311, 0.2792, 0.3022



76.2311, 0.3497, 0.3418

# Square

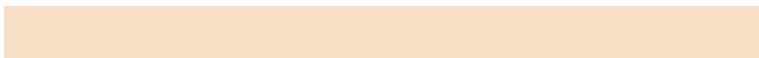
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



76.2311, 0.2792, 0.3022



76.2311, 0.3261, 0.3109



76.2311, 0.3472, 0.3552

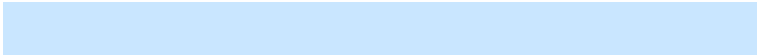


76.2311, 0.2988, 0.3482



# Rectangle

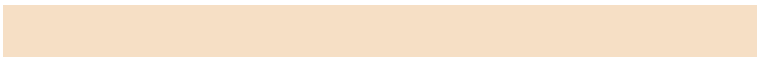
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



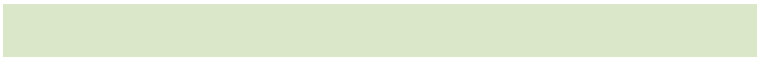
76.2311, 0.2792, 0.3022



76.2311, 0.3009, 0.2987



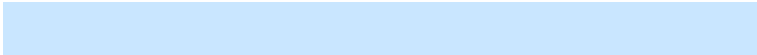
76.2311, 0.3472, 0.3552



76.2311, 0.3238, 0.3614

# Sweetspot

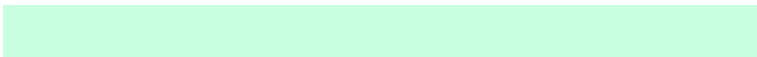
The Sweet Spot groups the original color and five complimentary colors.



76.2342, 0.2792, 0.3022



92.7805, 0.3034, 0.3220



89.3767, 0.2966, 0.3609



19.6957, 0.3024, 0.3212



0.0000, 0.0000, 0.0000

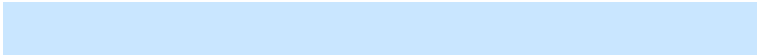


21.4041, 0.3127, 0.3290

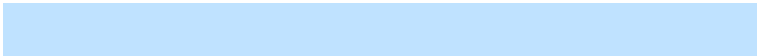


# Same Dimension

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



76.2342, 0.2792, 0.3022



72.4577, 0.2730, 0.2967



62.6737, 0.2772, 0.2729



18.9950, 0.2979, 0.3177



13.4319, 0.1806, 0.1701



1.5265, 0.1860, 0.1896



# Inverse Universe

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



68.7393, 0.3333, 0.2998



64.0951, 0.3379, 0.2943



95.2716, 0.3453, 0.3795



18.1504, 0.3210, 0.3163



12.0839, 0.4805, 0.2421

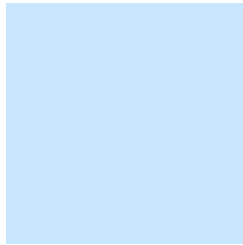


1.1987, 0.4573, 0.2293



# Previews

## White Background



This preview shows how the Yxy color 76.2311, 0.2792, 0.3022 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

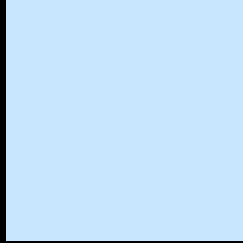
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 76.2311, 0.2792, 0.3022 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

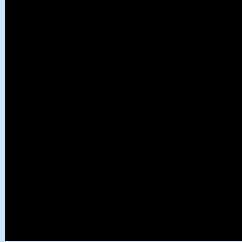
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

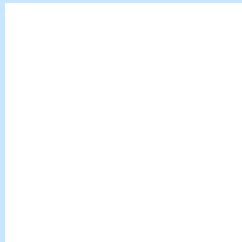
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 76.2311, 0.2792, 0.3022**

## **Background**



This preview shows how black text looks on a background with the Yxy color 76.2311, 0.2792, 0.3022.

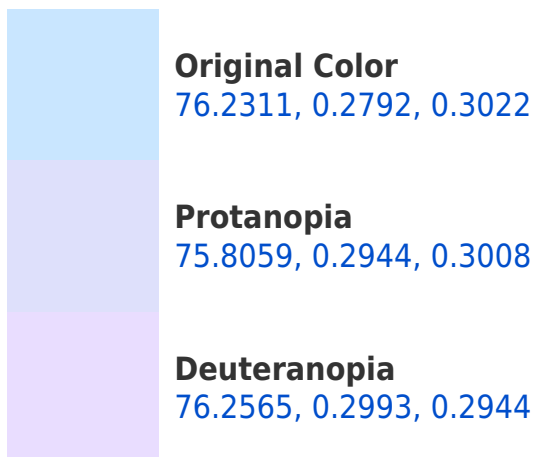


This preview shows how white text looks on a background with the Yxy color 76.2311, 0.2792, 0.3022.

# 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

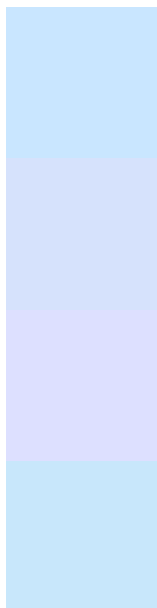




## Tritanopia

76.2707, 0.2820, 0.3095

# Trichromacy



**Original Color**

76.2311, 0.2792, 0.3022

**Protanomaly**

75.7171, 0.2887, 0.3015

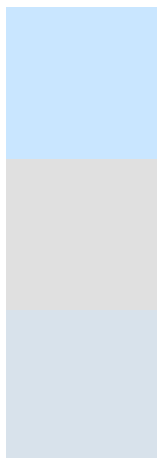
**Deuteranomaly**

75.9035, 0.2914, 0.2968

**Tritanomaly**

76.3962, 0.2809, 0.3074

# Monochromacy



**Original Color**

76.2311, 0.2792, 0.3022

**Achromatopsia**

74.5404, 0.3127, 0.3290

**Achromatomaly**

74.9898, 0.3002, 0.3193

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 76.2311, 0.2792, 0.3022 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(201, 230, 255)` looks like.

```
.text, #text, p{  
    color:rgb(201, 230, 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(201, 230, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(201, 230, 255) }
```

## Border

The CSS property to change the border of an element to Yxy 76.2311, 0.2792, 0.3022 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(201, 230, 255) }
```

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

```
.border{ border-color:rgb(201, 230, 255) }
```

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

Here you see how a box with a 4 pixel rgb(201, 230, 255) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(201, 230, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(201, 230, 255);  
box-shadow:4px 4px 4px 4px rgb(201, 230,  
255) }
```



# Background

The CSS property to change the background color of an element to Yxy 76.2311, 0.2792, 0.3022 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(201, 230, 255) }
```

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

```
.background{ background-color: rgb(201,  
230, 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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