

# Converting Colors

$Yxy(76.1751, 0.2866, 0.3206)$

Have a look what the booklet for  
Yxy(76.1751, 0.2866, 0.3206)  
contains.

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# Color

**Yxy(76.1466, 0.2865, 0.3202)**

# Conversions

## Conversions Part 1

Format	Color
Hex	C7E8F0
RGB	199, 232, 240
RGB Percent	78%, 91%, 94%
CMY	0.2197, 0.0902, 0.0589
CMYK	0.17, 0.03, 0.00, 0.06
HSL	192°, 58%, 86%
HSV	192°, 17%, 94%
XYZ	68.1324, 76.1466, 93.5305
YIQ	223.0450, -22.2360, -4.5080

# Conversions

## Conversions Part 2

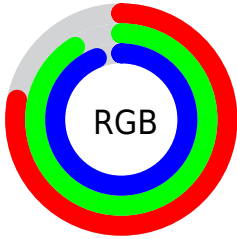
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	199, 217, 240
Decimal	13101296
CIE <sub>Lab</sub>	89.93, -9.10, -7.49
CIE <sub>LCh</sub>	90, 11.785, 219.438
Yxy	76.1466, 0.2865, 0.3202
Android (android.graphics.Color)	4291291376 (0xFFC7E8F0)
YUV	223.0450, 8.3588, -21.0875
Hunter-Lab	87.2620, -13.3393, -2.4657

# Details

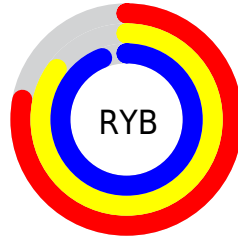
The Yxy color **76.1466, 0.2865, 0.3202** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **67.2502, 0.3441, 0.3376**, and the grayscale version is **73.7762, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **40.5311, 0.2808, 0.3175** is the 20% darker color. If you saturate the color by 10%, you get **70.5294, 0.2718, 0.3144**, and if you desaturate by 10%, it is **82.3574, 0.3018, 0.3255**.

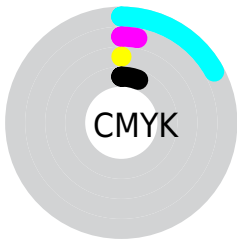
# Distribution



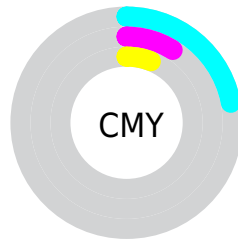
- Red (78%)
- Green (91%)
- Blue (94%)



- Red (78%)
- Yellow (85%)
- Blue (94%)



- Cyan (17%)
- Magenta (3%)
- Yellow (0%)
- Black (6%)



- Cyan (22%)
- Magenta (9%)
- Yellow (6%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 76.1466, 0.2865, 0.3202 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 76.1466, 0.2865, 0.3202 by changing the saturation by 10% instead.



76.1466, 0.2865,  
0.3202

76.1466, 0.2865,  
0.3202

481.8494, 0.2984,  
0.3244

56.5527, 0.2838,  
0.3192

127.9341, 0.2906,  
0.3217

40.6463, 0.2805,  
0.3180

160.8965, 0.2922,  
0.3222

28.0428, 0.2764,  
0.3165

199.0839, 0.2936,  
0.3227

18.3579, 0.2710,  
0.3144

242.8807, 0.2948,  
0.3231

11.2073, 0.2639,  
0.3116

292.6713, 0.2959,  
0.3235

6.2064, 0.2537,  
0.3074

348.8399, 0.2968,

2.9710, 0.2383,

0.3238

411.7712, 0.2977,  
0.3241

0.3007

1.1166, 0.2123,  
0.2883

0.0000, 0.0000,  
0.0000

76.1466, 0.2865,  
0.3202

76.1466, 0.2865,  
0.3202

70.5294, 0.2718,  
0.3144

82.3574, 0.3018,  
0.3255

65.4718, 0.2579,  
0.3082

89.1756, 0.3172,  
0.3304

60.9502, 0.2452,  
0.3016

93.4683, 0.3222,  
0.3349

56.9354, 0.2340,  
0.2947

96.3431, 0.3218,  
0.3393

■ 53.3954, 0.2245,  
0.2877

■ 99.0703, 0.3215,  
0.3435

■ 50.2935, 0.2170,  
0.2805

■ 47.5873, 0.2114,  
0.2734

■ 45.2216, 0.2077,  
0.2664

■ 44.5707, 0.2068,  
0.2643

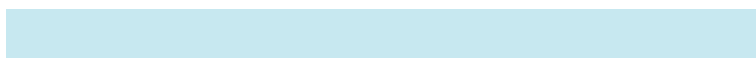
# Harmonies

## Analogous

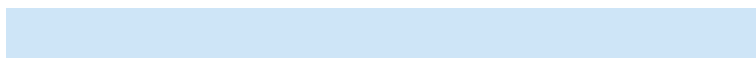
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



76.1466, 0.2929, 0.3329



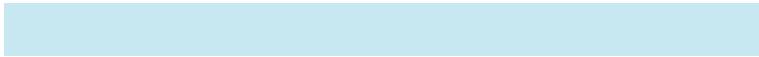
76.1466, 0.2865, 0.3202



76.1466, 0.2869, 0.3103

# Triad

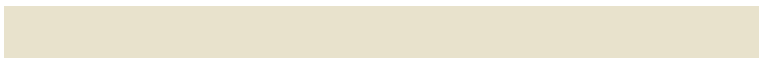
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



76.1466, 0.2865, 0.3202



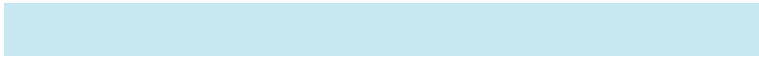
76.1466, 0.3205, 0.3139



76.1466, 0.3313, 0.3531

# Complementary

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



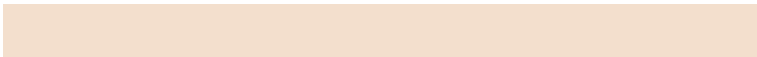
76.1466, 0.2865, 0.3202



67.2502, 0.3441, 0.3376

# Split Complementary

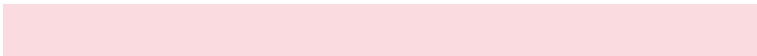
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



76.1466, 0.3391, 0.3473



76.1466, 0.2865, 0.3202



76.1466, 0.3328, 0.3247

# Square

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



76.1466, 0.2865, 0.3202



76.1466, 0.3063, 0.3069



76.1466, 0.3397, 0.3368



76.1466, 0.3186, 0.3523



# Rectangle

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



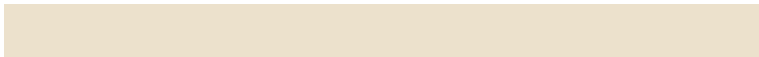
76.1466, 0.2865, 0.3202



76.1466, 0.2910, 0.3064



76.1466, 0.3397, 0.3368



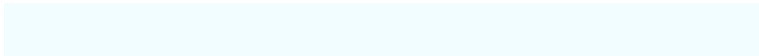
76.1466, 0.3346, 0.3518

# Sweetspot

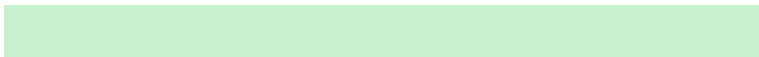
The Sweet Spot groups the original color and five complimentary colors.



76.1497, 0.2865, 0.3202



96.0898, 0.3049, 0.3266



78.9310, 0.3061, 0.3666



20.4526, 0.3039, 0.3262



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

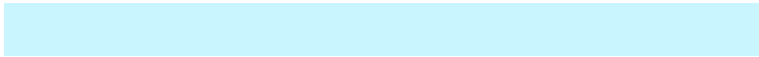


# Same Dimension

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



76.1497, 0.2865, 0.3202



84.7551, 0.2806, 0.3180



65.5013, 0.2854, 0.2976



17.3761, 0.2981, 0.3243



24.5918, 0.2071, 0.2655



2.1779, 0.2097, 0.2747



# Inverse Universe

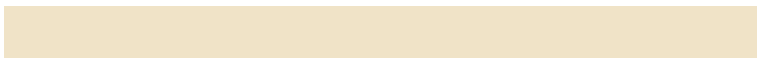
The Inverse Universe completely reimagines the original color for something new.



65.1892, 0.3205, 0.2946



69.8108, 0.3225, 0.2863



77.5836, 0.3406, 0.3585



15.9756, 0.3168, 0.3102



12.2759, 0.3771, 0.1851

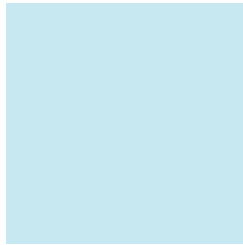


1.0346, 0.3683, 0.1803



# Previews

## White Background



This preview shows how the Yxy color 76.1466, 0.2865, 0.3202 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

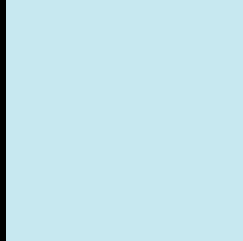
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 76.1466, 0.2865, 0.3202 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

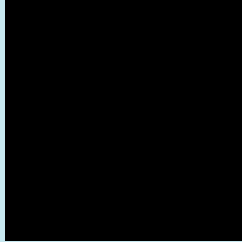
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

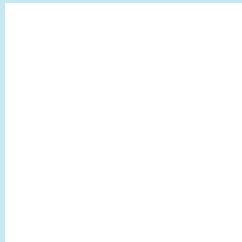
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 76.1466, 0.2865, 0.3202**

## **Background**



This preview shows how black text looks on a background with the Yxy color 76.1466, 0.2865, 0.3202.

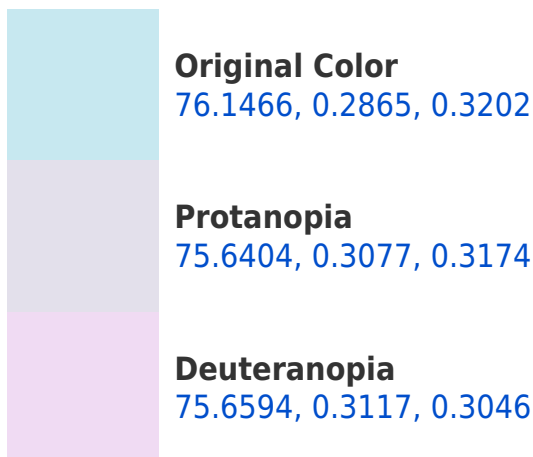


This preview shows how white text looks on a background with the Yxy color 76.1466, 0.2865, 0.3202.

# 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

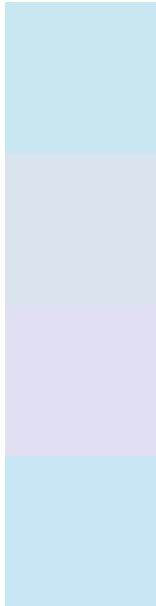




## Tritanopia

76.4089, 0.2826, 0.3095

# Trichromacy



## Original Color

76.1466, 0.2865, 0.3202

## Protanomaly

75.8043, 0.2997, 0.3183

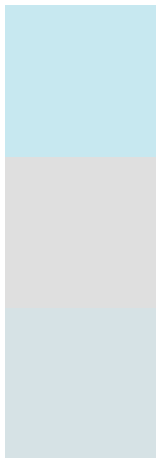
## Deuteranomaly

75.7297, 0.3019, 0.3101

## Tritanomaly

76.0850, 0.2837, 0.3127

# Monochromacy



## Original Color

76.1466, 0.2865, 0.3202

## Achromatopsia

73.7910, 0.3127, 0.3290

## Achromatomaly

74.3460, 0.3026, 0.3257

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 76.1466, 0.2865, 0.3202 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(199, 232, 240)` looks like.

```
.text, #text, p{  
    color:rgb(199, 232, 240)  
}
```

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(199, 232, 240) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(199, 232, 240) }
```

## Border

The CSS property to change the border of an element to Yxy 76.1466, 0.2865, 0.3202 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(199, 232, 240) }
```

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

```
.border{ border-color:rgb(199, 232, 240) }
```

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

Here you see how a box with a 4 pixel `rgb(199, 232, 240)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(199, 232, 240); -webkit-box-  
shadow:4px 4px 4px 4px rgb(199, 232, 240);  
box-shadow:4px 4px 4px 4px rgb(199, 232,  
240) }
```



# Background

The CSS property to change the background color of an element to Yxy 76.1466, 0.2865, 0.3202 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(199, 232, 240) }
```

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

```
.background{ background-color: rgb(199,  
232, 240) }
```

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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