

# Converting Colors

$Yxy(72.3054, 0.2781, 0.3289)$

Have a look what the booklet for  
Yxy(72.3054, 0.2781, 0.3289)  
contains.

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# Color

**Yxy(72.2685, 0.2782, 0.3289)**

# Conversions

## Conversions Part 1

Format	Color
Hex	B1E7E7
RGB	177, 231, 231
RGB Percent	69%, 91%, 91%
CMY	0.3059, 0.0941, 0.0941
CMYK	0.23, 0.00, 0.00, 0.09
HSL	180°, 53%, 80%
HSV	180°, 23%, 91%
XYZ	61.1283, 72.2685, 86.3311
YIQ	214.8540, -32.1840, -11.4480

# Conversions

## Conversions Part 2

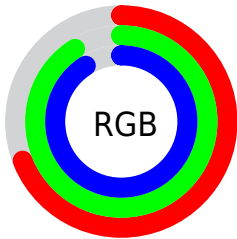
Format	Color
<a href="#">RYB</a>	<a href="#">177, 204, 231</a>
Decimal	<a href="#">11659239</a>
CIELab	<a href="#">88.10, -17.11, -5.63</a>
CIELCh	<a href="#">88, 18.010, 198.224</a>
Yxy	<a href="#">72.2685, 0.2782, 0.3289</a>
Android (android.graphics.Color)	<a href="#">4289849319</a> ( <a href="#">0xFFB1E7E7</a> )
YUV	<a href="#">214.8540, 7.9600, -33.1980</a>
Hunter-Lab	<a href="#">85.0109, -20.4161, -0.7031</a>

# Details

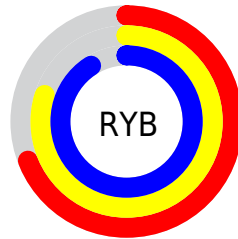
The Yxy color **72.2685, 0.2782, 0.3289** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **51.6018, 0.3611, 0.3291**, and the grayscale version is **67.8122, 0.3127, 0.3290**.

A 20% lighter version of the original color is **96.2324, 0.2999, 0.3290**, and **37.9660, 0.2706, 0.3289** is the 20% darker color. If you saturate the color by 10%, you get **69.7847, 0.2654, 0.3289**, and if you desaturate by 10%, it is **75.2173, 0.2923, 0.3289**.

# Distribution



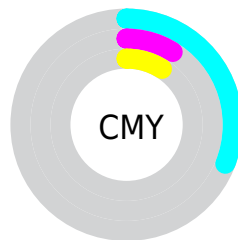
- Red (69%)
- Green (91%)
- Blue (91%)



- Red (69%)
- Yellow (80%)
- Blue (91%)



- Cyan (23%)
- Magenta (0%)
- Yellow (0%)
- Black (9%)




- Cyan (31%)
- Magenta (9%)
- Yellow (9%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 72.2685, 0.2782, 0.3289 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 72.2685, 0.2782, 0.3289 by changing the saturation by 10% instead.




 72.2685, 0.2782,  
0.3289

 72.2685, 0.2782,  
0.3289


468.4756, 0.2941,  
0.3292

 53.3780, 0.2746,  
0.3288


 122.4382, 0.2837,  
0.3290

 38.1046, 0.2702,  
0.3286


154.4862, 0.2858,  
0.3291

 26.0639, 0.2646,  
0.3284


191.6889, 0.2877,  
0.3291

 16.8715, 0.2574,  
0.3280

234.4306, 0.2893,  
0.3291

 10.1429, 0.2476,  
0.3274

283.0957, 0.2907,  
0.3291

 5.4938, 0.2337,  
0.3262

338.0686, 0.2919,

 2.5398, 0.2123,

0.3291

399.7338, 0.2930,  
0.3291

0.3238

0.8965, 0.1574,  
0.3248

0.0000, 0.0000,  
0.0000

72.2685, 0.2782,  
0.3289

72.2685, 0.2782,  
0.3289

69.7847, 0.2654,  
0.3289

75.2173, 0.2923,  
0.3289

67.7340, 0.2540,  
0.3288


78.6438, 0.3074,  
0.3290

66.0942, 0.2445,  
0.3288


82.5711, 0.3232,  
0.3290


64.8376, 0.2369,  
0.3288


84.1866, 0.3293,  
0.3290


 63.9332, 0.2312,  
0.3288

 84.1867, 0.3293,  
0.3290


 63.3451, 0.2274,  
0.3288


 84.1868, 0.3293,  
0.3290

 63.0296, 0.2253,  
0.3288

 84.1869, 0.3293,  
0.3290

 62.9256, 0.2247,  
0.3288

 84.1870, 0.3293,  
0.3290

 84.1870, 0.3293,  
0.3290

# Harmonies

## Analogous

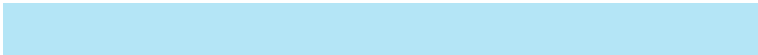
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



72.2685, 0.2941, 0.3489



72.2685, 0.2782, 0.3289



72.2685, 0.2714, 0.3098

# Triad

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



72.2685, 0.2782, 0.3289



72.2685, 0.3090, 0.2976



72.2685, 0.3513, 0.3607

# Complementary

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



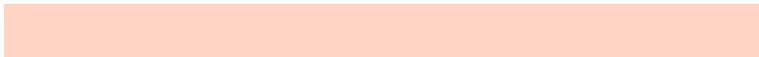
72.2685, 0.2782, 0.3289



51.6018, 0.3611, 0.3291

# 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.



72.2685, 0.3559, 0.3459



72.2685, 0.2782, 0.3289



72.2685, 0.3309, 0.3102

# Square

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



72.2685, 0.2782, 0.3289



72.2685, 0.2887, 0.2926



72.2685, 0.3483, 0.3276



72.2685, 0.3363, 0.3675

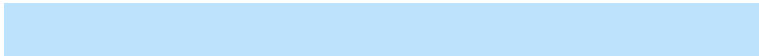


# Rectangle

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



72.2685, 0.2782, 0.3289



72.2685, 0.2728, 0.3002



72.2685, 0.3483, 0.3276



72.2685, 0.3542, 0.3564

# Sweetspot

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



72.2714, 0.2782, 0.3289



96.7703, 0.3018, 0.3290



69.7814, 0.3102, 0.3947



20.6563, 0.3009, 0.3290



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.



72.2714, 0.2782, 0.3289



88.8807, 0.2719, 0.3289



58.7282, 0.2757, 0.2979



16.3364, 0.2982, 0.3290



35.2741, 0.2247, 0.3288



2.6066, 0.2247, 0.3288



# Inverse Universe

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



51.6018, 0.3611, 0.3291



58.8192, 0.3744, 0.3292



62.9209, 0.3545, 0.3582



14.3680, 0.3293, 0.3290



9.5243, 0.6401, 0.3300

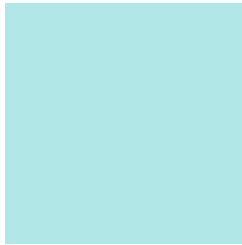


0.7038, 0.6400, 0.3300



# Previews

## White Background



This preview shows how the Yxy color 72.2685, 0.2782, 0.3289 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

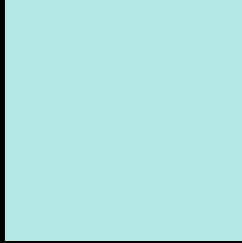
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 72.2685, 0.2782, 0.3289 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

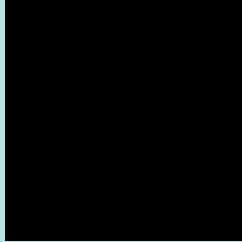
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

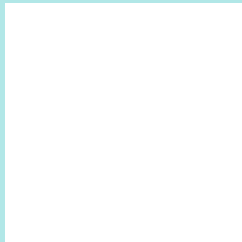
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 72.2685, 0.2782, 0.3289**

## **Background**



This preview shows how black text looks on a background with the Yxy color 72.2685, 0.2782, 0.3289.

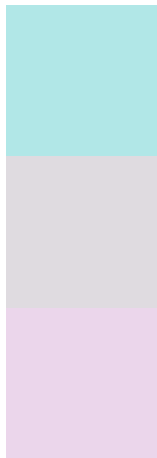


This preview shows how white text looks on a background with the Yxy color 72.2685, 0.2782, 0.3289.

# 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



### Original Color

72.2685, 0.2782, 0.3289

### Protanopia

71.7328, 0.3123, 0.3236

### Deuteranopia

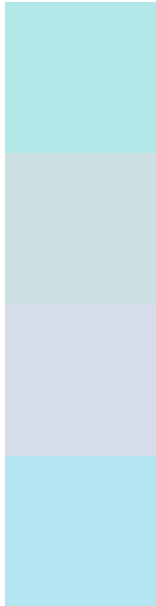
71.7535, 0.3137, 0.3071



## Tritanopia

72.4573, 0.2711, 0.3087

# Trichromacy



**Original Color**

72.2685, 0.2782, 0.3289

**Protanomaly**

71.4432, 0.2985, 0.3245

**Deuteranomaly**

71.4231, 0.2995, 0.3138

**Tritanomaly**

72.5282, 0.2738, 0.3164

# Monochromacy



**Original Color**

72.2685, 0.2782, 0.3289

**Achromatopsia**

67.9542, 0.3127, 0.3290

**Achromatomaly**

69.3509, 0.2988, 0.3290

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 72.2685, 0.2782, 0.3289 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(177, 231, 231)` looks like.

```
.text, #text, p{  
    color:rgb(177, 231, 231)  
}
```

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(177, 231, 231) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(177, 231, 231) }
```

## Border

The CSS property to change the border of an element to Yxy 72.2685, 0.2782, 0.3289 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(177, 231, 231) }
```

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

```
.border{ border-color:rgb(177, 231, 231) }
```

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

Here you see how a box with a 4 pixel rgb(177, 231, 231) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(177, 231, 231); -webkit-box-  
shadow:4px 4px 4px 4px rgb(177, 231, 231);  
box-shadow:4px 4px 4px 4px rgb(177, 231,  
231) }
```



# Background

The CSS property to change the background color of an element to  $\text{Yxy } 72.2685, 0.2782, 0.3289$  is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(177, 231, 231) }
```

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

```
.background{ background-color: rgb(177,  
231, 231) }
```

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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