

# Converting Colors

$Yxy(72.6282, 0.2844, 0.3435)$

Have a look what the booklet for  
Yxy(72.6282, 0.2844, 0.3435)  
contains.

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# Color

**Yxy(72.7922, 0.2845, 0.3441)**

# Conversions

## Conversions Part 1

Format	Color
Hex	B1E9DC
RGB	177, 233, 220
RGB Percent	69%, 91%, 86%
CMY	0.3059, 0.0862, 0.1374
CMYK	0.24, 0.00, 0.06, 0.09
HSL	166°, 56%, 80%
HSV	166°, 24%, 91%
XYZ	60.1842, 72.7922, 78.5673
YIQ	214.7740, -29.2030, -15.9150

# Conversions

## Conversions Part 2

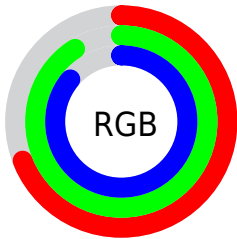
<b>Format</b>	<b>Color</b>
<b>RYB</b>	177, 209, 233
Decimal	11659740
CIELab	88.35, -20.42, 0.52
CIELCh	88, 20.428, 178.529
Yxy	72.7922, 0.2845, 0.3441
Android (android.graphics.Color)	4289849820 (0xFFB1E9DC)
YUV	214.7740, 2.5764, -33.1278
Hunter-Lab	85.3183, -23.3919, 5.1243

# Details

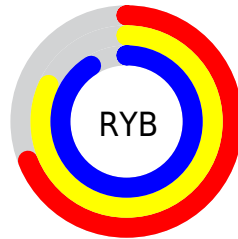
The Yxy color **72.7922, 0.2845, 0.3441** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **52.4866, 0.3513, 0.3145**, and the grayscale version is **67.7910, 0.3127, 0.3290**.

A 20% lighter version of the original color is **96.2324, 0.2999, 0.3290**, and **38.3718, 0.2778, 0.3474** is the 20% darker color. If you saturate the color by 10%, you get **70.0060, 0.2741, 0.3514**, and if you desaturate by 10%, it is **76.0608, 0.2958, 0.3374**.

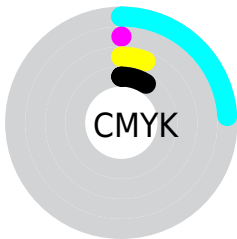
# Distribution



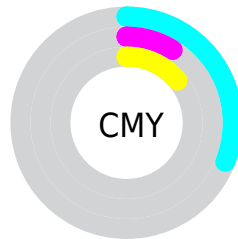
- Red (69%)
- Green (91%)
- Blue (86%)



- Red (69%)
- Yellow (82%)
- Blue (91%)



- Cyan (24%)
- Magenta (0%)
- Yellow (6%)
- Black (9%)



- Cyan (31%)
- Magenta (9%)
- Yellow (14%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 72.7922, 0.2845, 0.3441 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 72.7922, 0.2845, 0.3441 by changing the saturation by 10% instead.





 72.7922, 0.2845,  
0.3441

 72.7922, 0.2845,  
0.3441


470.2943, 0.2975,  
0.3371

 53.8061, 0.2815,  
0.3457


 123.1822, 0.2890,  
0.3417

 38.4466, 0.2778,  
0.3477


155.3548, 0.2908,  
0.3407

 26.3295, 0.2732,  
0.3502


192.6917, 0.2923,  
0.3399

 17.0703, 0.2671,  
0.3535

235.5773, 0.2936,  
0.3392

 10.2846, 0.2588,  
0.3580

284.3959, 0.2948,  
0.3386

 5.5881, 0.2468,  
0.3645

339.5321, 0.2958,

 2.5963, 0.2281,

0.3380

0.3747

401.3700, 0.2967,  
0.3376

0.9248, 0.1670,  
0.4066

0.0000, 0.0000,  
0.0000

72.7922, 0.2845,  
0.3441

72.7922, 0.2845,  
0.3441

70.0060, 0.2741,  
0.3514

76.0608, 0.2958,  
0.3374

67.6695, 0.2650,  
0.3591

79.8251, 0.3078,  
0.3313

65.7597, 0.2574,  
0.3673

84.1086, 0.3201,  
0.3258

64.2481, 0.2515,  
0.3758

85.9335, 0.3222,  
0.3206

■ 63.1026, 0.2476,  
0.3844

■ 86.2637, 0.3187,  
0.3153

■ 62.2860, 0.2457,  
0.3931

■ 86.6036, 0.3153,  
0.3101

■ 61.7530, 0.2457,  
0.4018

■ 86.7629, 0.3137,  
0.3078

■ 61.5284, 0.2464,  
0.4069

# Harmonies

## Analogous

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



72.7922, 0.3069, 0.3635



72.7922, 0.2845, 0.3441



72.7922, 0.2699, 0.3208

# Triad

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



72.7922, 0.2845, 0.3441



72.7922, 0.2928, 0.2889



72.7922, 0.3614, 0.3544

# Complementary

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



72.7922, 0.2845, 0.3441



52.4866, 0.3513, 0.3145

# 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.



72.7922, 0.3575, 0.3345



72.7922, 0.2845, 0.3441



72.7922, 0.3171, 0.2977

# Square

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



72.7922, 0.2845, 0.3441



72.7922, 0.2745, 0.2898



72.7922, 0.3410, 0.3140



72.7922, 0.3517, 0.3687

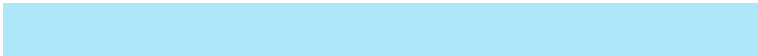


# Rectangle

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



72.7922, 0.2845, 0.3441



72.7922, 0.2662, 0.3069



72.7922, 0.3410, 0.3140



72.7922, 0.3616, 0.3481

# Sweetspot

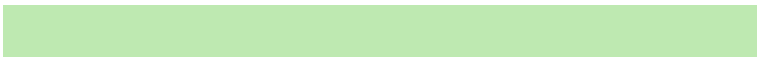
The Sweet Spot groups the original color and five complimentary colors.



72.7952, 0.2845, 0.3441



96.5056, 0.3041, 0.3331



72.4125, 0.3183, 0.3952



20.5948, 0.3034, 0.3334



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

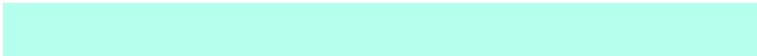


# Same Dimension

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



72.7952, 0.2845, 0.3441



87.5104, 0.2791, 0.3477



65.4103, 0.2758, 0.3115



17.0584, 0.3012, 0.3345



34.9295, 0.2460, 0.4055



2.7573, 0.2427, 0.3936



# Inverse Universe

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



52.4866, 0.3513, 0.3145



58.4174, 0.3623, 0.3112



58.1688, 0.3590, 0.3459



15.1115, 0.3256, 0.3235



9.9980, 0.5979, 0.3068

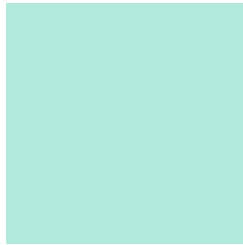


0.7996, 0.5593, 0.2855



# Previews

## White Background



This preview shows how the Yxy color 72.7922, 0.2845, 0.3441 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

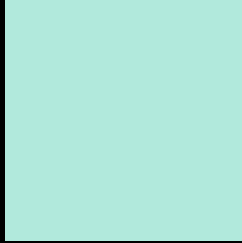
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 72.7922, 0.2845, 0.3441 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

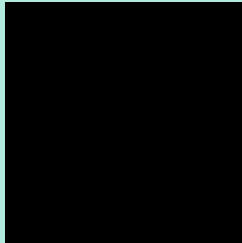
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

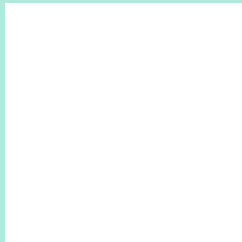
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 72.7922, 0.2845, 0.3441**

## **Background**



This preview shows how black text looks on a background with the Yxy color 72.7922, 0.2845, 0.3441.

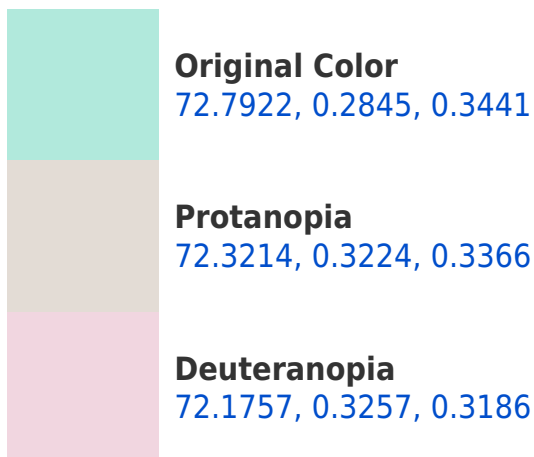


This preview shows how white text looks on a background with the Yxy color 72.7922, 0.2845, 0.3441.

# 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

72.8213, 0.2728, 0.3088

# Trichromacy



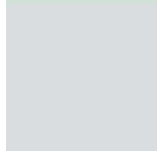
## Original Color

72.7922, 0.2845, 0.3441



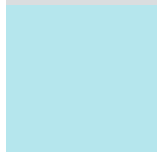
## Protanomaly

72.3636, 0.3074, 0.3390



## Deuteranomaly

71.9460, 0.3093, 0.3268



## Tritanomaly

72.5318, 0.2772, 0.3210

# Monochromacy



## Original Color

72.7922, 0.2845, 0.3441



## Achromatopsia

67.9542, 0.3127, 0.3290



## Achromatomaly

69.6698, 0.3013, 0.3346

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 72.7922, 0.2845, 0.3441 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, 233, 220)` looks like.

```
.text, #text, p{  
    color:rgb(177, 233, 220)  
}
```

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, 233, 220) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(177, 233, 220) }
```

## Border

The CSS property to change the border of an element to Yxy 72.7922, 0.2845, 0.3441 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, 233, 220) }
```

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

```
.border{ border-color:rgb(177, 233, 220) }
```

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

Here you see how a box with a 4 pixel rgb(177, 233, 220) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(177, 233, 220); -webkit-box-  
shadow:4px 4px 4px 4px rgb(177, 233, 220);  
box-shadow:4px 4px 4px 4px rgb(177, 233,  
220) }
```



# Background

The CSS property to change the background color of an element to Yxy 72.7922, 0.2845, 0.3441 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(177, 233, 220) }
```

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

```
.background{ background-color: rgb(177,  
233, 220) }
```

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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