

# Converting Colors

Yxy(69.9418, 0.2938, 0.3602)

Have a look what the booklet for  
Yxy(69.9418, 0.2938, 0.3602)  
contains.

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# Color

**Yxy(69.6975, 0.2941, 0.3600)**

# Conversions

## Conversions Part 1

Format	Color
Hex	B1E5CB
RGB	177, 229, 203
RGB Percent	69%, 90%, 80%
CMY	0.3057, 0.1020, 0.2038
CMYK	0.23, 0.00, 0.11, 0.10
HSL	150°, 50%, 80%
HSV	150°, 23%, 90%
XYZ	56.9390, 69.6975, 66.9677
YIQ	210.4880, -22.6460, -19.1100

# Conversions

## Conversions Part 2

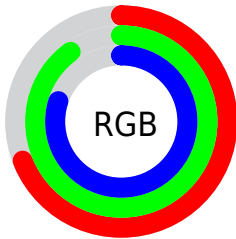
Format	Color
<b>RYB</b>	177, 212, 229
Decimal	11658699
CIELab	86.85, -21.82, 7.24
CIELCh	87, 22.985, 161.640
Yxy	69.6975, 0.2941, 0.3600
Android (android.graphics.Color)	4289848779 (0xFFB1E5CB)
YUV	210.4880, -3.6916, -29.3690
Hunter-Lab	83.4850, -24.3571, 10.8799

# Details

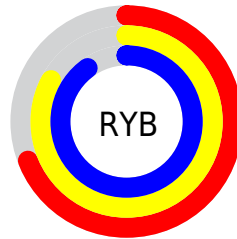
The Yxy color **69.6975, 0.2941, 0.3600** is a light color, and the websafe version is hex **CCFFCC**. A complement of this color would be **52.4290, 0.3366, 0.3000**, and the grayscale version is **64.8294, 0.3127, 0.3290**.

A 20% lighter version of the original color is **96.0636, 0.2993, 0.3290**, and **36.2680, 0.2890, 0.3673** is the 20% darker color. If you saturate the color by 10%, you get **66.7066, 0.2866, 0.3761**, and if you desaturate by 10%, it is **73.1857, 0.3021, 0.3454**.

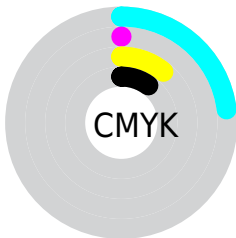
# Distribution



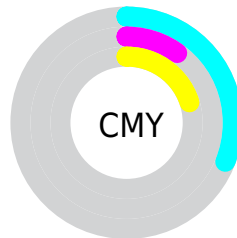
- Red (69%)
- Green (90%)
- Blue (80%)



- Red (69%)
- Yellow (83%)
- Blue (90%)



- Cyan (23%)
- Magenta (0%)
- Yellow (11%)
- Black (10%)



- Cyan (31%)
- Magenta (10%)
- Yellow (20%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 69.6975, 0.2941, 0.3600 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 69.6975, 0.2941, 0.3600 by changing the saturation by 10% instead.




 69.6975, 0.2941,  
0.3600

 69.6975, 0.2941,  
0.3600


459.4872, 0.3029,  
0.3452

 51.2800, 0.2920,  
0.3635

 118.7773, 0.2972,  
0.3548

 36.4315, 0.2894,  
0.3679


150.2083, 0.2984,  
0.3528

 24.7676, 0.2861,  
0.3736


186.7459, 0.2994,  
0.3511

 15.9040, 0.2816,  
0.3811

228.7746, 0.3003,  
0.3496

 9.4562, 0.2754,  
0.3918

276.6786, 0.3011,  
0.3483

 5.0400, 0.2660,  
0.4080


330.8425, 0.3018,

 2.2707, 0.2504,

0.3471

391.6505, 0.3024,  
0.3461


0.4352


 0.7581, 0.1486,  
0.5991


 0.0000, 0.0000,  
0.0000


 69.6975, 0.2941,  
0.3600


 69.6975, 0.2941,  
0.3600


 66.7066, 0.2866,  
0.3761


 73.1857, 0.3021,  
0.3454


 64.1810, 0.2800,  
0.3935

 77.1843, 0.3105,  
0.3323

 62.0981, 0.2746,  
0.4122

 81.7167, 0.3189,  
0.3206

 60.4304, 0.2708,  
0.4316

 84.1232, 0.3178,  
0.3097

■ 59.1465, 0.2687,  
0.4514

■ 84.5156, 0.3139,  
0.3039

■ 58.2108, 0.2687,  
0.4710

■ 57.5802, 0.2707,  
0.4899

■ 57.2629, 0.2731,  
0.5030

# Harmonies

## Analogous

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



69.6975, 0.3219, 0.3763



69.6975, 0.2941, 0.3600



69.6975, 0.2719, 0.3345

# Triad

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



69.6975, 0.2941, 0.3600



69.6975, 0.2771, 0.2826



69.6975, 0.3678, 0.3453

# Complementary

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



69.6975, 0.2941, 0.3600



52.4290, 0.3366, 0.3000

# 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.



69.6975, 0.3548, 0.3217



69.6975, 0.2941, 0.3600



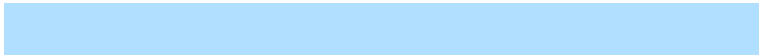
69.6975, 0.3016, 0.2866

# Square

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



69.6975, 0.2941, 0.3600



69.6975, 0.2625, 0.2901



69.6975, 0.3301, 0.3007



69.6975, 0.3652, 0.3660



# Rectangle

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



69.6975, 0.2941, 0.3600



69.6975, 0.2630, 0.3168



69.6975, 0.3301, 0.3007



69.6975, 0.3651, 0.3374

# Sweetspot

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



69.7004, 0.2941, 0.3600



96.2090, 0.3068, 0.3378



71.9104, 0.3279, 0.3891



20.5261, 0.3063, 0.3386



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

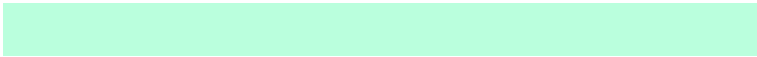


# Same Dimension

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



69.7004, 0.2941, 0.3600



87.1764, 0.2907, 0.3670



71.0442, 0.2792, 0.3289



16.2088, 0.3048, 0.3410



32.7662, 0.2723, 0.5002



2.4401, 0.2649, 0.4735



# Inverse Universe

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



52.4290, 0.3366, 0.3000



61.6382, 0.3425, 0.2940



51.2928, 0.3592, 0.3291



14.4876, 0.3214, 0.3173



10.2491, 0.4955, 0.2503

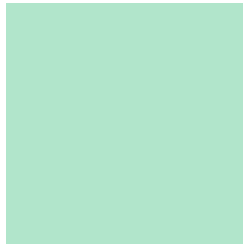


0.7761, 0.4631, 0.2325



# Previews

## White Background



This preview shows how the Yxy color 69.6975, 0.2941, 0.3600 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

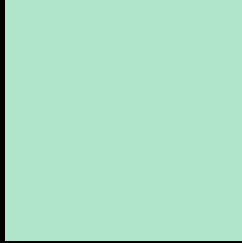
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 69.6975, 0.2941, 0.3600 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

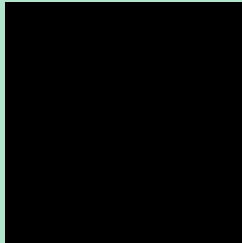
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

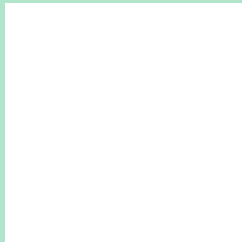
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 69.6975, 0.2941, 0.3600**

## **Background**



This preview shows how black text looks on a background with the Yxy color 69.6975, 0.2941, 0.3600.

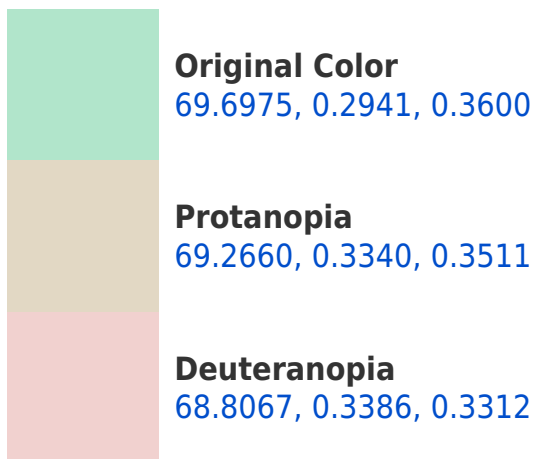


This preview shows how white text looks on a background with the Yxy color 69.6975, 0.2941, 0.3600.

# 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

69.3166, 0.2761, 0.3085

# Trichromacy



**Original Color**

69.6975, 0.2941, 0.3600

**Protanomaly**

69.2463, 0.3180, 0.3541

**Deuteranomaly**

68.4734, 0.3210, 0.3402

**Tritanomaly**

69.2202, 0.2824, 0.3266

# Monochromacy



**Original Color**

69.6975, 0.2941, 0.3600

**Achromatopsia**

64.4480, 0.3127, 0.3290

**Achromatomaly**

66.1365, 0.3057, 0.3406

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 69.6975, 0.2941, 0.3600 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, 229, 203)` looks like.

```
.text, #text, p{  
    color:rgb(177, 229, 203)  
}
```

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, 229, 203) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(177, 229, 203) }
```

## Border

The CSS property to change the border of an element to Yxy 69.6975, 0.2941, 0.3600 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, 229, 203) }
```

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

```
.border{ border-color:rgb(177, 229, 203) }
```

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

Here you see how a box with a 4 pixel `rgb(177, 229, 203)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(177, 229, 203); -webkit-box-  
shadow:4px 4px 4px 4px rgb(177, 229, 203);  
box-shadow:4px 4px 4px 4px rgb(177, 229,  
203) }
```



# Background

The CSS property to change the background color of an element to Yxy 69.6975, 0.2941, 0.3600 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(177, 229, 203) }
```

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

```
.background{ background-color: rgb(177,  
229, 203) }
```

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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