

# Converting Colors

$Yxy(72.7153, 0.2816, 0.3291)$

Have a look what the booklet for  
Yxy(72.7153, 0.2816, 0.3291)  
contains.

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# Color

**Yxy(72.8664, 0.2812, 0.3289)**

# Conversions

## Conversions Part 1

Format	Color
Hex	B6E7E7
RGB	182, 231, 231
RGB Percent	71%, 91%, 91%
CMY	0.2861, 0.0941, 0.0941
CMYK	0.21, 0.00, 0.00, 0.09
HSL	180°, 50%, 81%
HSV	180°, 21%, 91%
XYZ	62.2987, 72.8664, 86.3807
YIQ	216.3490, -29.2040, -10.3880

# Conversions

## Conversions Part 2

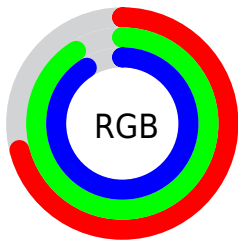
<b>Format</b>	<b>Color</b>
<b>RYB</b>	182, 207, 231
Decimal	11986919
CIELab	88.38, -15.60, -5.17
CIELCh	88, 16.439, 198.345
Yxy	72.8664, 0.2812, 0.3289
Android (android.graphics.Color)	4290176999 (0xFFB6E7E7)
YUV	216.3490, 7.2229, -30.1241
Hunter-Lab	85.3618, -19.1105, -0.2444

# Details

The Yxy color **72.8664, 0.2812, 0.3289** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **53.8451, 0.3554, 0.3291**, and the grayscale version is **68.8917, 0.3127, 0.3290**.

A 20% lighter version of the original color is **97.0907, 0.3029, 0.3290**, and **38.3443, 0.2742, 0.3289** is the 20% darker color. If you saturate the color by 10%, you get **70.2830, 0.2680, 0.3289**, and if you desaturate by 10%, it is **75.9197, 0.2956, 0.3289**.

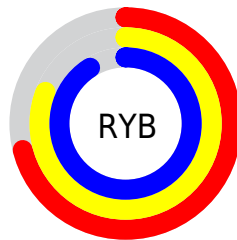
# Distribution



Red (71%)

Green (91%)

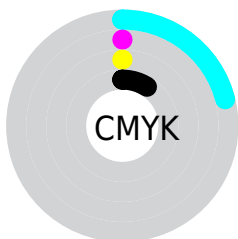
Blue (91%)



Red (71%)

Yellow (81%)

Blue (91%)

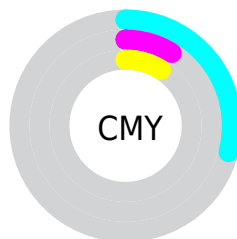


Cyan (21%)

Magenta (0%)

Yellow (0%)

Black (9%)



Cyan (29%)

Magenta (9%)

Yellow (9%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 72.8664, 0.2812, 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 72.8664, 0.2812, 0.3289 by changing the saturation by 10% instead.



■ 72.8664, 0.2812,  
0.3289

■ 72.8664, 0.2812,  
0.3289

470.5516, 0.2957,  
0.3291

■ 53.8667, 0.2779,  
0.3288

■ 123.2875, 0.2862,  
0.3290

■ 38.4951, 0.2739,  
0.3287

155.4778, 0.2881,  
0.3290

■ 26.3672, 0.2688,  
0.3285

192.8337, 0.2898,  
0.3291

■ 17.0985, 0.2622,  
0.3282

235.7396, 0.2913,  
0.3291

■ 10.3048, 0.2533,  
0.3276

284.5800, 0.2926,  
0.3291

■ 5.6015, 0.2405,  
0.3267

339.7392, 0.2937,

■ 2.6043, 0.2210,

0.3291

401.6016, 0.2947,  
0.3291

0.3246

0.9288, 0.1751,  
0.3245

0.0000, 0.0000,  
0.0000

72.8664, 0.2812,  
0.3289

72.8664, 0.2812,  
0.3289

70.2830, 0.2680,  
0.3289

75.9197, 0.2956,  
0.3289

68.1378, 0.2564,  
0.3288

79.4552, 0.3108,  
0.3290


66.4092, 0.2464,  
0.3288

83.4956, 0.3267,  
0.3290


65.0702, 0.2384,  
0.3288


84.1830, 0.3293,  
0.3291

 64.0904, 0.2323,  
0.3287


 84.1841, 0.3293,  
0.3291


 63.4352, 0.2281,  
0.3287


 84.1852, 0.3293,  
0.3291

 63.0632, 0.2257,  
0.3287

 84.1863, 0.3293,  
0.3291

 62.9099, 0.2247,  
0.3287

 84.1874, 0.3293,  
0.3291

 84.1885, 0.3293,  
0.3291

# Harmonies

## Analogous

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



72.8664, 0.2957, 0.3470



72.8664, 0.2812, 0.3289



72.8664, 0.2750, 0.3115

# Triad

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



72.8664, 0.2812, 0.3289



72.8664, 0.3095, 0.3003



72.8664, 0.3478, 0.3580

# Complementary

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



72.8664, 0.2812, 0.3289



53.8451, 0.3554, 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.



72.8664, 0.3519, 0.3446



72.8664, 0.2812, 0.3289



72.8664, 0.3294, 0.3119

# Square

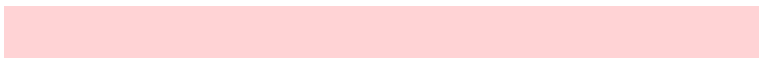
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



72.8664, 0.2812, 0.3289



72.8664, 0.2909, 0.2958



72.8664, 0.3451, 0.3278



72.8664, 0.3341, 0.3640



# Rectangle

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



72.8664, 0.2812, 0.3289



72.8664, 0.2763, 0.3028



72.8664, 0.3451, 0.3278



72.8664, 0.3504, 0.3541

# Sweetspot

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



72.8694, 0.2812, 0.3289



97.2120, 0.3034, 0.3290



70.4816, 0.3100, 0.3878



20.7453, 0.3024, 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.



72.8694, 0.2812, 0.3289



89.8453, 0.2759, 0.3289



60.1153, 0.2792, 0.3001



16.3362, 0.2982, 0.3290



35.2685, 0.2247, 0.3287



2.6063, 0.2247, 0.3287



# Inverse Universe

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



56.2333, 0.3152, 0.2764



65.8504, 0.3156, 0.2666



64.7631, 0.3499, 0.3562



14.6152, 0.3138, 0.3059



12.7581, 0.3209, 0.1542

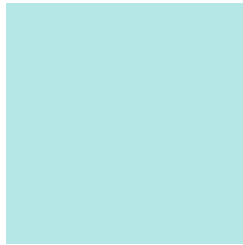


0.9428, 0.3209, 0.1542



# Previews

## White Background



This preview shows how the Yxy color 72.8664, 0.2812, 0.3289 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

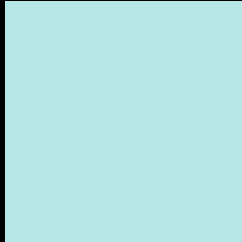
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 72.8664, 0.2812, 0.3289 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

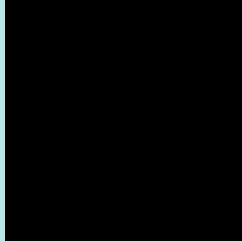
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 72.8664, 0.2812, 0.3289**

## **Background**



This preview shows how black text looks on a background with the Yxy color 72.8664, 0.2812, 0.3289.

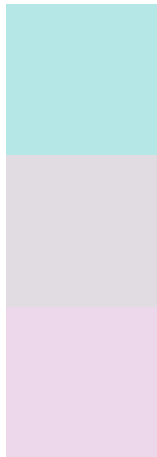


This preview shows how white text looks on a background with the Yxy color 72.8664, 0.2812, 0.3289.

# 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

72.8664, 0.2812, 0.3289

### Protanopia

72.4699, 0.3123, 0.3236

### Deuteranopia

72.5459, 0.3158, 0.3093



## Tritanopia

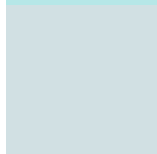
73.0683, 0.2740, 0.3089

# Trichromacy



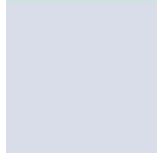
## Original Color

72.8664, 0.2812, 0.3289



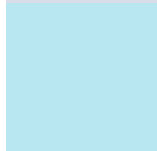
## Protanomaly

72.4127, 0.3005, 0.3257



## Deuteranomaly

72.3478, 0.3022, 0.3160



## Tritanomaly

73.1348, 0.2768, 0.3165

# Monochromacy



## Original Color

72.8664, 0.2812, 0.3289



## Achromatopsia

68.6685, 0.3127, 0.3290



## Achromatomaly

69.7707, 0.3009, 0.3290

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 72.8664, 0.2812, 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(182, 231, 231)` looks like.

```
.text, #text, p{  
    color:rgb(182, 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(182, 231, 231) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(182, 231, 231) }
```

## Border

The CSS property to change the border of an element to Yxy 72.8664, 0.2812, 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(182, 231, 231) }
```

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

```
.border{ border-color:rgb(182, 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(182, 231, 231)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(182, 231, 231); -webkit-box-  
shadow:4px 4px 4px 4px rgb(182, 231, 231);  
box-shadow:4px 4px 4px 4px rgb(182, 231,  
231) }
```



# Background

The CSS property to change the background color of an element to Yxy 72.8664, 0.2812, 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(182, 231, 231) }
```

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

```
.background{ background-color: rgb(182,  
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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