

# Converting Colors

$Yxy(72.3405, 0.2704, 0.3217)$

Have a look what the booklet for  
Yxy(72.3405, 0.2704, 0.3217)  
contains.

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# Color

**Yxy(72.4323, 0.2706, 0.3220)**

# Conversions

## Conversions Part 1

Format	Color
Hex	AAE8EE
RGB	170, 232, 238
RGB Percent	67%, 91%, 93%
CMY	0.3332, 0.0902, 0.0668
CMYK	0.29, 0.03, 0.00, 0.07
HSL	185°, 67%, 80%
HSV	185°, 29%, 93%
XYZ	60.8701, 72.4323, 91.6426
YIQ	214.1460, -38.8780, -11.2780

# Conversions

## Conversions Part 2

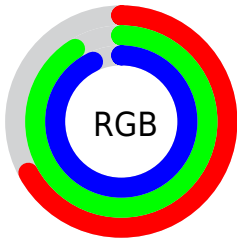
Format	Color
<b>RYB</b>	170, 202, 238
Decimal	11200750
CIELab	88.18, -18.05, -9.22
CIELCh	88, 20.271, 207.047
Yxy	72.4323, 0.2706, 0.3220
Android (android.graphics.Color)	4289390830 (0xFFAAE8EE)
YUV	214.1460, 11.7600, -38.7160
Hunter-Lab	85.1072, -21.2712, -4.2679

# Details

The Yxy color **72.4323, 0.2706, 0.3220** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **52.1354, 0.3739, 0.3359**, and the grayscale version is **67.2936, 0.3127, 0.3290**.

A 20% lighter version of the original color is **95.0709, 0.2958, 0.3290**, and **38.0729, 0.2607, 0.3197** is the 20% darker color. If you saturate the color by 10%, you get **68.8460, 0.2578, 0.3192**, and if you desaturate by 10%, it is **76.5186, 0.2846, 0.3246**.

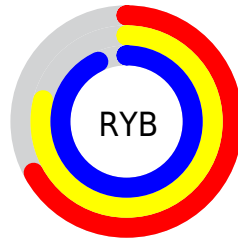
# Distribution



Red (67%)

Green (91%)

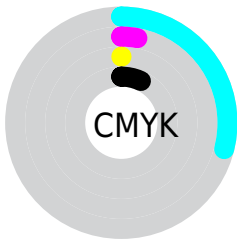
Blue (93%)



Red (67%)

Yellow (79%)

Blue (93%)

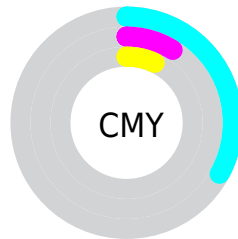


Cyan (29%)

Magenta (3%)

Yellow (0%)

Black (7%)



Cyan (33%)

Magenta (9%)


Yellow (7%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 72.4323, 0.2706, 0.3220 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 72.4323, 0.2706, 0.3220 by changing the saturation by 10% instead.





 72.4323, 0.2706,  
0.3220

 72.4323, 0.2706,  
0.3220


469.0449, 0.2898,  
0.3256

 53.5119, 0.2663,  
0.3211


 122.6709, 0.2772,  
0.3233

 38.2116, 0.2609,  
0.3200


154.7580, 0.2798,  
0.3238

 26.1469, 0.2543,  
0.3185

192.0027, 0.2821,  
0.3242

 16.9336, 0.2456,  
0.3164

234.7894, 0.2840,  
0.3246

 10.1872, 0.2340,  
0.3134

283.5026, 0.2857,  
0.3249

 5.5232, 0.2176,  
0.3088

338.5267, 0.2873,

 2.5574, 0.1931,

0.3251

400.2460, 0.2886,  
0.3254

0.3007

0.9053, 0.1345,  
0.2902

0.0000, 0.0000,  
0.0000

72.4323, 0.2706,  
0.3220

72.4323, 0.2706,  
0.3220

68.8460, 0.2578,  
0.3192

76.5186, 0.2846,  
0.3246

65.7249, 0.2464,  
0.3163

81.1201, 0.2995,  
0.3271

63.0436, 0.2368,  
0.3133

86.2621, 0.3150,  
0.3293

60.7705, 0.2291,  
0.3102

89.9731, 0.3239,  
0.3314

■ 58.8697, 0.2233,  
0.3072

■ 91.2157, 0.3237,  
0.3334

■ 57.2986, 0.2194,  
0.3042

■ 92.4726, 0.3235,  
0.3354

■ 55.9958, 0.2172,  
0.3012

■ 93.7438, 0.3233,  
0.3375

■ 55.8164, 0.2169,  
0.3007

■ 95.0294, 0.3232,  
0.3395

■ 96.3295, 0.3230,  
0.3415

# Harmonies

## Analogous

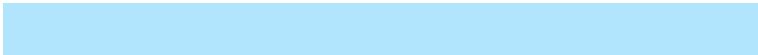
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



72.4323, 0.2856, 0.3451



72.4323, 0.2706, 0.3220



72.4323, 0.2665, 0.3021

# Triad

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



72.4323, 0.2706, 0.3220



72.4323, 0.3158, 0.2972



72.4323, 0.3522, 0.3680

# Complementary

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



72.4323, 0.2706, 0.3220



52.1354, 0.3739, 0.3359

# 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.



72.4323, 0.3612, 0.3533



72.4323, 0.2706, 0.3220



72.4323, 0.3398, 0.3132

# Square

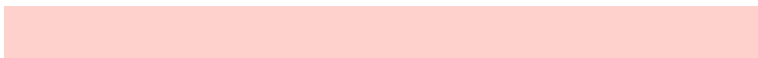
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



72.4323, 0.2706, 0.3220



72.4323, 0.2918, 0.2889



72.4323, 0.3567, 0.3334



72.4323, 0.3326, 0.3724

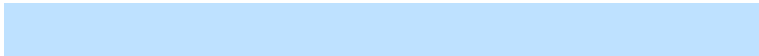


# Rectangle

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



72.4323, 0.2706, 0.3220



72.4323, 0.2703, 0.2932



72.4323, 0.3567, 0.3334



72.4323, 0.3566, 0.3640

# Sweetspot

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



72.4352, 0.2706, 0.3220



94.6225, 0.2988, 0.3270



72.8092, 0.3056, 0.4048



20.0775, 0.2966, 0.3266



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.



72.4352, 0.2706, 0.3220



82.3265, 0.2633, 0.3205



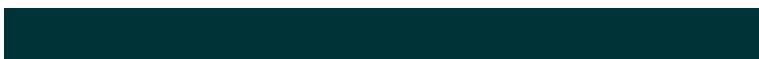
55.2700, 0.2663, 0.2815



17.6771, 0.2981, 0.3269



31.2446, 0.2170, 0.3012



2.6685, 0.2181, 0.3052



# Inverse Universe

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



52.7645, 0.3208, 0.2637



56.1145, 0.3227, 0.2510



67.0078, 0.3637, 0.3722



16.0060, 0.3151, 0.3077



12.9475, 0.3443, 0.1671

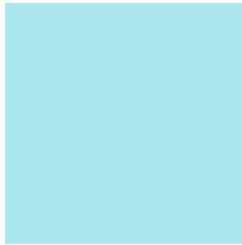


1.0841, 0.3409, 0.1652



# Previews

## White Background



This preview shows how the Yxy color 72.4323, 0.2706, 0.3220 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

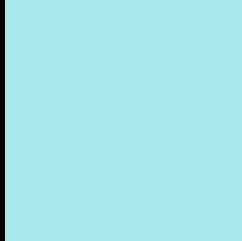
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 72.4323, 0.2706, 0.3220 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

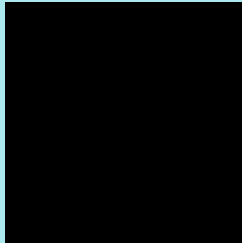
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 72.4323, 0.2706, 0.3220**

## **Background**



This preview shows how black text looks on a background with the Yxy color 72.4323, 0.2706, 0.3220.

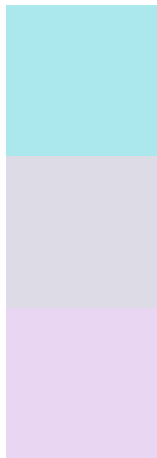


This preview shows how white text looks on a background with the Yxy color 72.4323, 0.2706, 0.3220.

# 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

72.4323, 0.2706, 0.3220

### Protanopia

71.7484, 0.3069, 0.3171

### Deuteranopia

71.6597, 0.3069, 0.2999



## Tritanopia

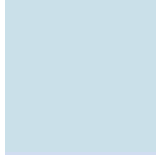
72.2038, 0.2657, 0.3074

# Trichromacy



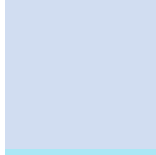
## Original Color

72.4323, 0.2706, 0.3220



## Protanomaly

71.7511, 0.2922, 0.3190



## Deuteranomaly

71.6191, 0.2918, 0.3072



## Tritanomaly

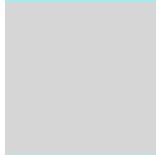
72.4023, 0.2673, 0.3129

# Monochromacy



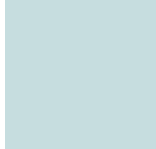
## Original Color

72.4323, 0.2706, 0.3220



## Achromatopsia

67.2443, 0.3127, 0.3290



## Achromatomaly

69.0464, 0.2955, 0.3267

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 72.4323, 0.2706, 0.3220 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(170, 232, 238)` looks like.

```
.text, #text, p{  
    color:rgb(170, 232, 238)  
}
```

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(170, 232, 238) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(170, 232, 238) }
```

## Border

The CSS property to change the border of an element to Yxy 72.4323, 0.2706, 0.3220 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(170, 232, 238) }
```

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

```
.border{ border-color:rgb(170, 232, 238) }
```

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

Here you see how a box with a 4 pixel `rgb(170, 232, 238)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(170, 232, 238); -webkit-box-  
shadow:4px 4px 4px 4px rgb(170, 232, 238);  
box-shadow:4px 4px 4px 4px rgb(170, 232,  
238) }
```



# Background

The CSS property to change the background color of an element to  $\text{Yxy } 72.4323, 0.2706, 0.3220$  is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(170, 232, 238) }
```

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

```
.background{ background-color: rgb(170,  
232, 238) }
```

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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