

# Converting Colors

$Yxy(72.1973, 0.2743, 0.3289)$

Have a look what the booklet for  
Yxy(72.1973, 0.2743, 0.3289)  
contains.

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# Color

**Yxy(72.1973, 0.2743, 0.3289)**

# Conversions

## Conversions Part 1

Format	Color
Hex	ABE8E8
RGB	171, 232, 232
RGB Percent	67%, 91%, 91%
CMY	0.3295, 0.0902, 0.0902
CMYK	0.26, 0.00, 0.00, 0.09
HSL	180°, 57%, 79%
HSV	180°, 26%, 91%
XYZ	60.2120, 72.1973, 87.1021
YIQ	213.7610, -36.3560, -12.9320

# Conversions

## Conversions Part 2

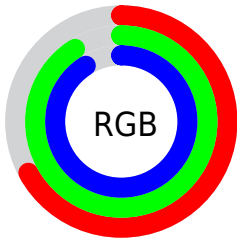
Format	Color
<b>RYB</b>	171, 202, 232
Decimal	11266280
CIELab	88.06, -19.13, -6.24
CIELCh	88, 20.119, 198.070
Yxy	72.1973, 0.2743, 0.3289
Android (android.graphics.Color)	4289456360 (0xFFABE8E8)
YUV	213.7610, 8.9918, -37.5014
Hunter-Lab	84.9690, -22.2044, -1.3002

# Details

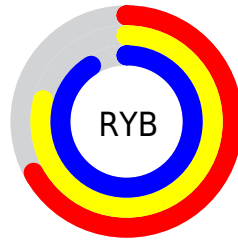
The Yxy color **72.1973, 0.2743, 0.3289** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **49.2147, 0.3691, 0.3292**, and the grayscale version is **67.0313, 0.3127, 0.3290**.

A 20% lighter version of the original color is **95.2340, 0.2964, 0.3290**, and **37.9672, 0.2659, 0.3289** is the 20% darker color. If you saturate the color by 10%, you get **69.8196, 0.2619, 0.3289**, and if you desaturate by 10%, it is **75.0381, 0.2881, 0.3289**.

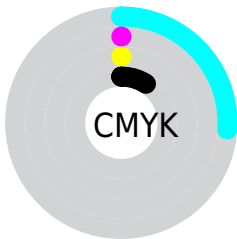
# Distribution



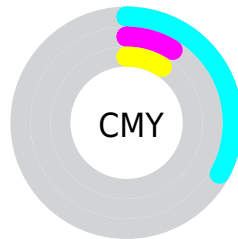
- Red (67%)
- Green (91%)
- Blue (91%)



- Red (67%)
- Yellow (79%)
- Blue (91%)



- Cyan (26%)
- Magenta (0%)
- Yellow (0%)
- Black (9%)




- Cyan (33%)
- Magenta (9%)
- Yellow (9%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 72.1973, 0.2743, 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 72.1973, 0.2743, 0.3289 by changing the saturation by 10% instead.




 72.1973, 0.2743,  
0.3289

 72.1973, 0.2743,  
0.3289

468.2280, 0.2919,  
0.3292

 53.3199, 0.2703,  
0.3288

 122.3370, 0.2804,  
0.3291

 38.0582, 0.2654,  
0.3286

154.3680, 0.2828,  
0.3291

 26.0278, 0.2592,  
0.3283


191.5524, 0.2848,  
0.3291

 16.8445, 0.2512,  
0.3278

234.2745, 0.2866,  
0.3292

 10.1237, 0.2404,  
0.3271

282.9187, 0.2882,  
0.3292

 5.4810, 0.2251,  
0.3256

337.8695, 0.2896,

 2.5322, 0.2017,

0.3292

399.5111, 0.2908,  
0.3292

0.3226

0.8927, 0.1385,  
0.3241

0.0000, 0.0000,  
0.0000

72.1973, 0.2743,  
0.3289

72.1973, 0.2743,  
0.3289

69.8196, 0.2619,  
0.3289

75.0381, 0.2881,  
0.3289

67.8723, 0.2511,  
0.3288


78.3553, 0.3029,  
0.3290

66.3323, 0.2421,  
0.3288


82.1727, 0.3186,  
0.3290

65.1707, 0.2350,  
0.3288


84.8060, 0.3285,  
0.3290

 64.3548, 0.2299,  
0.3288

 84.8063, 0.3285,  
0.3290

 63.8465, 0.2266,  
0.3288

 84.8066, 0.3285,  
0.3290

 63.5981, 0.2250,  
0.3288

 84.8068, 0.3285,  
0.3290

 63.5427, 0.2247,  
0.3288

 84.8071, 0.3285,  
0.3290

 84.8074, 0.3285,  
0.3290

# Harmonies

## Analogous

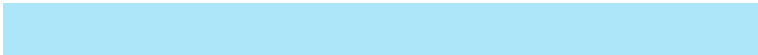
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



72.1973, 0.2919, 0.3514



72.1973, 0.2743, 0.3289



72.1973, 0.2668, 0.3075

# Triad

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



72.1973, 0.2743, 0.3289



72.1973, 0.3084, 0.2940



72.1973, 0.3559, 0.3642

# Complementary

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



72.1973, 0.2743, 0.3289



49.2147, 0.3691, 0.3292

# 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.



72.1973, 0.3610, 0.3476



72.1973, 0.2743, 0.3289



72.1973, 0.3329, 0.3079

# Square

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



72.1973, 0.2743, 0.3289



72.1973, 0.2858, 0.2885



72.1973, 0.3525, 0.3272



72.1973, 0.3391, 0.3721

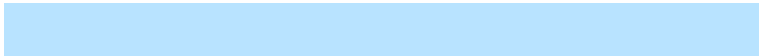


# Rectangle

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



72.1973, 0.2743, 0.3289



72.1973, 0.2682, 0.2969



72.1973, 0.3525, 0.3272



72.1973, 0.3591, 0.3594

# Sweetspot

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



72.2002, 0.2743, 0.3289



96.3339, 0.3003, 0.3290



69.4283, 0.3098, 0.4042



20.4814, 0.2980, 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.



72.2002, 0.2743, 0.3289



87.6688, 0.2668, 0.3289



56.9634, 0.2709, 0.2934



16.3364, 0.2982, 0.3290



35.2730, 0.2247, 0.3288



2.6066, 0.2247, 0.3288



# Inverse Universe

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



49.2147, 0.3691, 0.3292



54.3341, 0.3868, 0.3292



61.6265, 0.3607, 0.3621



14.3681, 0.3293, 0.3290



9.5243, 0.6401, 0.3300

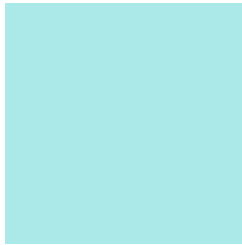


0.7038, 0.6400, 0.3299



# Previews

## White Background



This preview shows how the Yxy color 72.1973, 0.2743, 0.3289 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

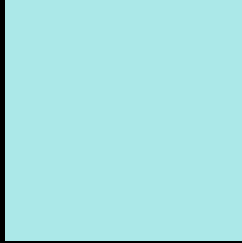
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 72.1973, 0.2743, 0.3289 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

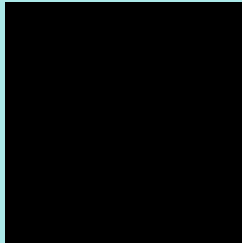
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 72.1973, 0.2743, 0.3289**

## Background



This preview shows how black text looks on a background with the Yxy color 72.1973, 0.2743, 0.3289.

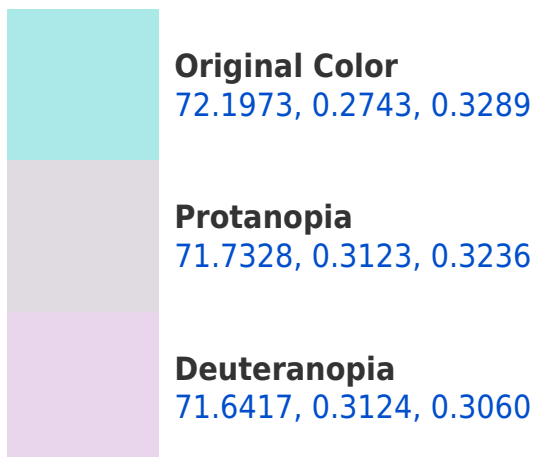


This preview shows how white text looks on a background with the Yxy color 72.1973, 0.2743, 0.3289.

# 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





## Tritanopia

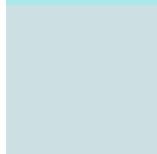
72.3696, 0.2673, 0.3086

# Trichromacy



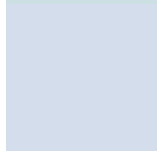
## Original Color

72.1973, 0.2743, 0.3289



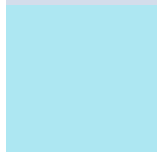
## Protanomaly

71.6947, 0.2971, 0.3256



## Deuteranomaly

71.5599, 0.2968, 0.3137



## Tritanomaly

72.4469, 0.2700, 0.3163

# Monochromacy



## Original Color

72.1973, 0.2743, 0.3289



## Achromatopsia

67.2443, 0.3127, 0.3290



## Achromatomaly

68.9391, 0.2968, 0.3290

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 72.1973, 0.2743, 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(171, 232, 232)` looks like.

```
.text, #text, p{  
    color:rgb(171, 232, 232)  
}
```

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(171, 232, 232) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(171, 232, 232) }
```

## Border

The CSS property to change the border of an element to Yxy 72.1973, 0.2743, 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(171, 232, 232) }
```

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

```
.border{ border-color:rgb(171, 232, 232) }
```

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

Here you see how a box with a 4 pixel `rgb(171, 232, 232)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(171, 232, 232); -webkit-box-shadow:4px 4px 4px 4px rgb(171, 232, 232); box-shadow:4px 4px 4px 4px rgb(171, 232, 232) }
```



# Background

The CSS property to change the background color of an element to Yxy 72.1973, 0.2743, 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(171, 232, 232) }
```

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

```
.background{ background-color: rgb(171,  
232, 232) }
```

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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