

# Converting Colors

$Yxy(72.8145, 0.2675, 0.3290)$

Have a look what the booklet for  
Yxy(72.8145, 0.2675, 0.3290)  
contains.

<b>Yxy(72.9919, 0.2676, 0.3289)</b> .....	3
<b>Conversions</b> .....	4
<b>Details</b> .....	6
<b>Harmonies</b> .....	12
<b>Previews</b> .....	24
<b>Color Blindness Simulation</b> .....	27
<b>CSS Examples</b> .....	30

# Color

**Yxy(72.9919, 0.2676, 0.3289)**

# Conversions

## Conversions Part 1

Format	Color
Hex	A1EBEB
RGB	161, 235, 235
RGB Percent	63%, 92%, 92%
CMY	0.3689, 0.0783, 0.0785
CMYK	0.32, 0.00, 0.00, 0.08
HSL	180°, 65%, 78%
HSV	180°, 32%, 92%
XYZ	59.3878, 72.9919, 89.5477
YIQ	212.8740, -44.1040, -15.6880

# Conversions

## Conversions Part 2

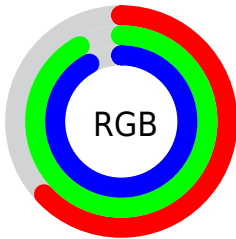
<b>Format</b>	<b>Color</b>
<b>RYB</b>	161, 198, 235
Decimal	10611691
CIELab	88.44, -22.73, -7.31
CIELCh	88, 23.880, 197.816
Yxy	72.9919, 0.2676, 0.3289
Android (android.graphics.Color)	4288801771 (0xFFA1EBEB)
YUV	212.8740, 10.9081, -45.4935
Hunter-Lab	85.4353, -25.4329, -2.3392

# Details

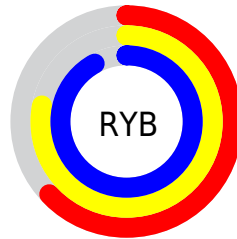
The Yxy color **72.9919, 0.2676, 0.3289** is a light color, and the websafe version is hex **99FFFF**. A complement of this color would be **45.6985, 0.3849, 0.3292**, and the grayscale version is **66.3889, 0.3127, 0.3290**.

A 20% lighter version of the original color is **93.6454, 0.2906, 0.3289**, and **38.5590, 0.2576, 0.3288** is the 20% darker color. If you saturate the color by 10%, you get **70.7793, 0.2560, 0.3289**, and if you desaturate by 10%, it is **75.6691, 0.2807, 0.3289**.

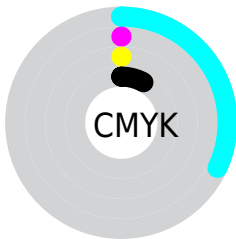
# Distribution



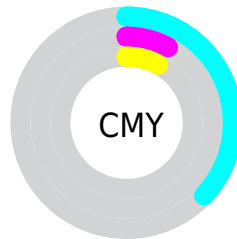
- Red (63%)
- Green (92%)
- Blue (92%)



- Red (63%)
- Yellow (78%)
- Blue (92%)



- Cyan (32%)
- Magenta (0%)
- Yellow (0%)
- Black (8%)




- Cyan (37%)
- Magenta (8%)
- Yellow (8%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 72.9919, 0.2676, 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 72.9919, 0.2676, 0.3289 by changing the saturation by 10% instead.




 72.9919, 0.2676,  
0.3289


 72.9919, 0.2676,  
0.3289


470.9867, 0.2882,  
0.3293

 53.9693, 0.2630,  
0.3287


 123.4657, 0.2747,  
0.3291

 38.5771, 0.2573,  
0.3285


 155.6858, 0.2775,  
0.3292

 26.4309, 0.2501,  
0.3281


193.0737, 0.2799,  
0.3292

 17.1463, 0.2409,  
0.3275

236.0141, 0.2820,  
0.3292

 10.3389, 0.2285,  
0.3264

284.8911, 0.2838,  
0.3293

 5.6242, 0.2111,  
0.3245

340.0894, 0.2854,

 2.6179, 0.1851,

0.3293

401.9931, 0.2869,  
0.3293

0.3206

0.9357, 0.1144,  
0.3210

0.0000, 0.0000,  
0.0000

72.9919, 0.2676,  
0.3289

72.9919, 0.2676,  
0.3289

70.7793, 0.2560,  
0.3289

75.6691, 0.2807,  
0.3289

68.9968, 0.2461,  
0.3289


78.8260, 0.2951,  
0.3290

67.6189, 0.2381,  
0.3289

82.4876, 0.3103,  
0.3290


66.6141, 0.2321,  
0.3289

86.6746, 0.3262,  
0.3290

 65.9459, 0.2280,  
0.3289


 86.6890, 0.3262,  
0.3290

 65.5706, 0.2256,  
0.3289

 86.6895, 0.3262,  
0.3290

 65.4224, 0.2247,  
0.3289

 86.6901, 0.3262,  
0.3290

 86.6906, 0.3262,  
0.3290

 86.6912, 0.3262,  
0.3290

# Harmonies

## Analogous

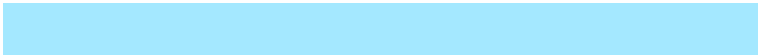
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



72.9919, 0.2883, 0.3559



72.9919, 0.2676, 0.3289



72.9919, 0.2587, 0.3035

# Triad

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



72.9919, 0.2676, 0.3289



72.9919, 0.3072, 0.2879



72.9919, 0.3639, 0.3703

# Complementary

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



72.9919, 0.2676, 0.3289



45.6985, 0.3849, 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.



72.9919, 0.3699, 0.3504



72.9919, 0.2676, 0.3289



72.9919, 0.3363, 0.3040

# Square

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



72.9919, 0.2676, 0.3289



72.9919, 0.2808, 0.2815



72.9919, 0.3597, 0.3264



72.9919, 0.3439, 0.3800

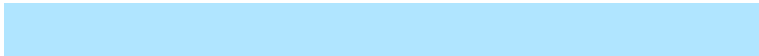


# Rectangle

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



72.9919, 0.2676, 0.3289



72.9919, 0.2604, 0.2911



72.9919, 0.3597, 0.3264



72.9919, 0.3677, 0.3645

# Sweetspot

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



72.9948, 0.2676, 0.3289



95.9036, 0.2988, 0.3290



69.6964, 0.3091, 0.4219



20.3957, 0.2966, 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.



72.9948, 0.2676, 0.3289



86.0167, 0.2597, 0.3289



54.5092, 0.2624, 0.2852



17.1218, 0.2981, 0.3290



36.4033, 0.2247, 0.3289



2.8586, 0.2247, 0.3288



# Inverse Universe

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



45.6985, 0.3849, 0.3292



48.2213, 0.4074, 0.3292



60.0482, 0.3724, 0.3690



15.0542, 0.3293, 0.3290



9.8300, 0.6400, 0.3299

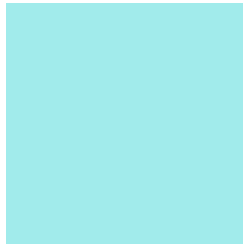


0.7719, 0.6399, 0.3299



# Previews

## White Background



This preview shows how the Yxy color 72.9919, 0.2676, 0.3289 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

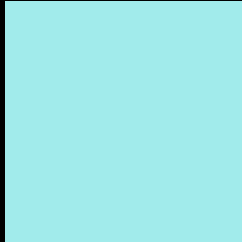
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 72.9919, 0.2676, 0.3289 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

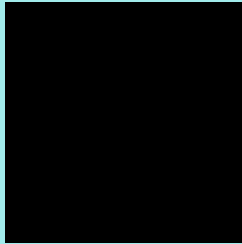
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 72.9919, 0.2676, 0.3289**

## **Background**



This preview shows how black text looks on a background with the Yxy color 72.9919, 0.2676, 0.3289.

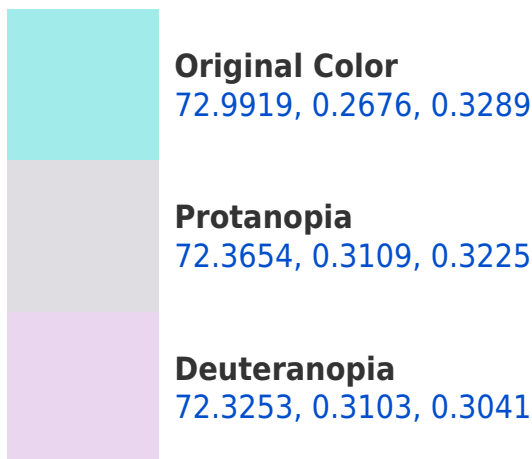


This preview shows how white text looks on a background with the Yxy color 72.9919, 0.2676, 0.3289.

# 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

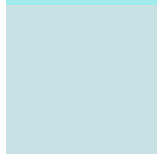
73.2422, 0.2614, 0.3085

# Trichromacy



## Original Color

72.9919, 0.2676, 0.3289



## Protanomaly

71.7869, 0.2933, 0.3245



## Deuteranomaly

71.6810, 0.2924, 0.3115



## Tritanomaly

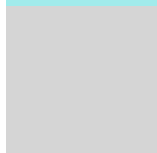
73.3307, 0.2640, 0.3163

# Monochromacy



## Original Color

72.9919, 0.2676, 0.3289



## Achromatopsia

66.5387, 0.3127, 0.3290



## Achromatomaly

68.4027, 0.2941, 0.3289

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 72.9919, 0.2676, 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(161, 235, 235)` looks like.

```
.text, #text, p{  
    color:rgb(161, 235, 235)  
}
```

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(161, 235, 235) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(161, 235, 235) }
```

## Border

The CSS property to change the border of an element to Yxy 72.9919, 0.2676, 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(161, 235, 235) }
```

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

```
.border{ border-color:rgb(161, 235, 235) }
```

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

Here you see how a box with a 4 pixel `rgb(161, 235, 235)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(161, 235, 235); -webkit-box-shadow:4px 4px 4px 4px rgb(161, 235, 235); box-shadow:4px 4px 4px 4px rgb(161, 235, 235) }
```



# Background

The CSS property to change the background color of an element to Yxy 72.9919, 0.2676, 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(161, 235, 235) }
```

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

```
.background{ background-color: rgb(161,  
235, 235) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

**[Learn more, Memberships starting at \\$2.50/m!](#)**

**Follow me  
on Twitter!**

@ConvertingColor