

# Converting Colors

$Yxy(72.4440, 0.2635, 0.3291)$

Have a look what the booklet for  
Yxy(72.4440, 0.2635, 0.3291)  
contains.

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# Color

**Yxy(72.1871, 0.2635, 0.3289)**

# Conversions

## Conversions Part 1

Format	Color
Hex	99EBEB
RGB	153, 235, 235
RGB Percent	60%, 92%, 92%
CMY	0.4001, 0.0784, 0.0785
CMYK	0.35, 0.00, 0.00, 0.08
HSL	180°, 67%, 76%
HSV	180°, 35%, 92%
XYZ	57.8331, 72.1871, 89.4602
YIQ	210.4820, -48.8720, -17.3840

# Conversions

## Conversions Part 2

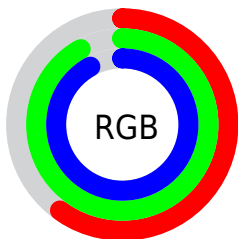
<b>Format</b>	<b>Color</b>
<b>RYB</b>	153, 194, 235
Decimal	10087403
CIELab	88.06, -24.84, -7.91
CIELCh	88, 26.066, 197.665
Yxy	72.1871, 0.2635, 0.3289
Android (android.graphics.Color)	4288277483 (0xFF99EBEB)
YUV	210.4820, 12.0874, -50.4117
Hunter-Lab	84.9630, -27.1829, -2.9542

# Details

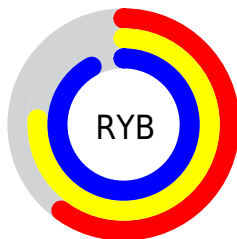
The Yxy color **72.1871, 0.2635, 0.3289** is a light color, and the websafe version is hex **99FFFF**. A complement of this color would be **42.7387, 0.3959, 0.3292**, and the grayscale version is **64.7220, 0.3127, 0.3290**.

A 20% lighter version of the original color is **92.4416, 0.2860, 0.3289**, and **38.0363, 0.2523, 0.3288** is the 20% darker color. If you saturate the color by 10%, you get **70.1238, 0.2525, 0.3289**, and if you desaturate by 10%, it is **74.7065, 0.2761, 0.3289**.

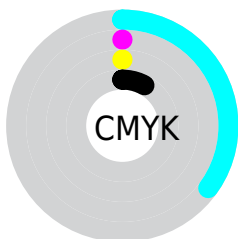
# Distribution



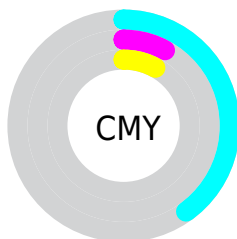
- Red (60%)
- Green (92%)
- Blue (92%)



- Red (60%)
- Yellow (76%)
- Blue (92%)



- Cyan (35%)
- Magenta (0%)
- Yellow (0%)
- Black (8%)




- Cyan (40%)
- Magenta (8%)
- Yellow (8%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 72.1871, 0.2635, 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 72.1871, 0.2635, 0.3289 by changing the saturation by 10% instead.





 72.1871, 0.2635,  
0.3289


 72.1871, 0.2635,  
0.3289


468.1926, 0.2860,  
0.3294

 53.3115, 0.2584,  
0.3287


 122.3225, 0.2712,  
0.3291

 38.0515, 0.2522,  
0.3284


 154.3511, 0.2743,  
0.3292

 26.0227, 0.2445,  
0.3279


191.5329, 0.2769,  
0.3293

 16.8406, 0.2344,  
0.3272

234.2522, 0.2792,  
0.3293

 10.1209, 0.2209,  
0.3259

282.8934, 0.2812,  
0.3293

 5.4792, 0.2020,  
0.3236

337.8409, 0.2830,

 2.5311, 0.1738,

0.3293

0.3189

399.4792, 0.2845,  
0.3294

0.8921, 0.0871,  
0.3217

0.0000, 0.0000,  
0.0000

72.1871, 0.2635,  
0.3289

72.1871, 0.2635,  
0.3289

70.1238, 0.2525,  
0.3289

74.7065, 0.2761,  
0.3289

68.4813, 0.2432,  
0.3289

77.6977, 0.2901,  
0.3290


67.2332, 0.2359,  
0.3289

81.1862, 0.3051,  
0.3290

66.3464, 0.2305,  
0.3289


85.1932, 0.3208,  
0.3290


 65.7824, 0.2270,  
0.3289


 86.6835, 0.3262,  
0.3290


 65.4941, 0.2252,  
0.3289

 86.6841, 0.3262,  
0.3290

 65.4158, 0.2247,  
0.3289

 86.6848, 0.3262,  
0.3290

 86.6855, 0.3262,  
0.3290

 86.6861, 0.3262,  
0.3290

# Harmonies

## Analogous

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



72.1871, 0.2861, 0.3587



72.1871, 0.2635, 0.3289



72.1871, 0.2538, 0.3010

# Triad

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



72.1871, 0.2635, 0.3289



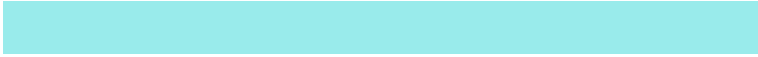
72.1871, 0.3064, 0.2842



72.1871, 0.3688, 0.3739

# Complementary

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



72.1871, 0.2635, 0.3289



42.7387, 0.3959, 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.



72.1871, 0.3754, 0.3520



72.1871, 0.2635, 0.3289



72.1871, 0.3384, 0.3016

# Square

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



72.1871, 0.2635, 0.3289



72.1871, 0.2776, 0.2771



72.1871, 0.3641, 0.3259



72.1871, 0.3469, 0.3850

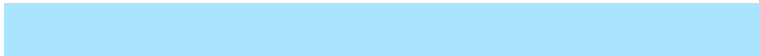


# Rectangle

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



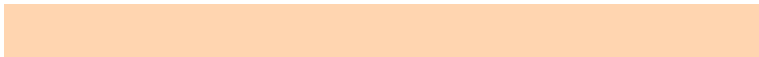
72.1871, 0.2635, 0.3289



72.1871, 0.2555, 0.2875



72.1871, 0.3641, 0.3259



72.1871, 0.3730, 0.3675

# Sweetspot

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



72.1900, 0.2635, 0.3289



95.4796, 0.2973, 0.3290



68.6263, 0.3086, 0.4336



20.3113, 0.2952, 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.



72.1900, 0.2635, 0.3289



85.0232, 0.2553, 0.3289



51.9607, 0.2569, 0.2796



17.1218, 0.2981, 0.3290



36.4027, 0.2247, 0.3289



2.8585, 0.2247, 0.3289



# Inverse Universe

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



42.7387, 0.3959, 0.3292



44.5451, 0.4225, 0.3293



57.9381, 0.3803, 0.3735



15.0542, 0.3293, 0.3290



9.8300, 0.6400, 0.3299

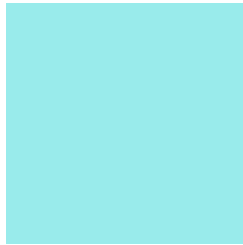


0.7719, 0.6399, 0.3299



# Previews

## White Background



This preview shows how the Yxy color 72.1871, 0.2635, 0.3289 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

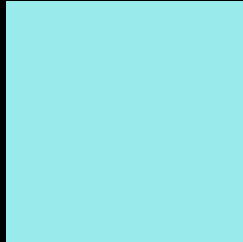
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 72.1871, 0.2635, 0.3289 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

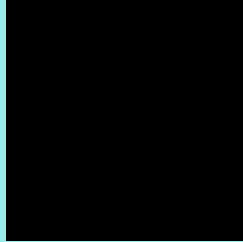
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 72.1871, 0.2635, 0.3289**

## **Background**



This preview shows how black text looks on a background with the Yxy color 72.1871, 0.2635, 0.3289.

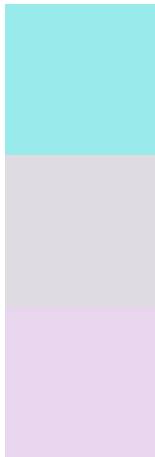


This preview shows how white text looks on a background with the Yxy color 72.1871, 0.2635, 0.3289.

# 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

72.1871, 0.2635, 0.3289

### Protanopia

71.6289, 0.3109, 0.3225

### Deuteranopia

71.4809, 0.3089, 0.3029



## Tritanopia

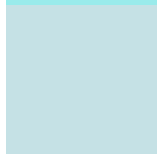
72.4110, 0.2573, 0.3082

# Trichromacy



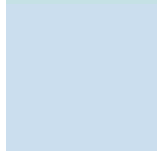
## Original Color

72.1871, 0.2635, 0.3289



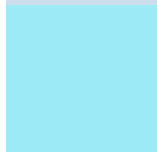
## Protanomaly

71.3779, 0.2913, 0.3244



## Deuteranomaly

71.1121, 0.2897, 0.3113



## Tritanomaly

72.5061, 0.2599, 0.3161

# Monochromacy



## Original Color

72.1871, 0.2635, 0.3289



## Achromatopsia

64.4480, 0.3127, 0.3290



## Achromatomaly

66.5963, 0.2919, 0.3289

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 72.1871, 0.2635, 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(153, 235, 235)` looks like.

```
.text, #text, p{  
    color:rgb(153, 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(153, 235, 235) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(153, 235, 235) }
```

## Border

The CSS property to change the border of an element to Yxy 72.1871, 0.2635, 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(153, 235, 235) }
```

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

```
.border{ border-color:rgb(153, 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(153, 235, 235)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(153, 235, 235); -webkit-box-  
shadow:4px 4px 4px 4px rgb(153, 235, 235);  
box-shadow:4px 4px 4px 4px rgb(153, 235,  
235) }
```



# Background

The CSS property to change the background color of an element to Yxy 72.1871, 0.2635, 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(153, 235, 235) }
```

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

```
.background{ background-color: rgb(153,  
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](#).

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