

# Converting Colors

$Yxy(73.5822, 0.2676, 0.3572)$

Have a look what the booklet for  
Yxy(73.5822, 0.2676, 0.3572)  
contains.

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# Color

**Yxy(73.7233, 0.2675, 0.3568)**

# Conversions

## Conversions Part 1

Format	Color
Hex	8EF1DA
RGB	142, 241, 218
RGB Percent	56%, 95%, 85%
CMY	0.4428, 0.0549, 0.1452
CMYK	0.41, 0.00, 0.10, 0.05
HSL	166°, 78%, 75%
HSV	166°, 41%, 95%
XYZ	55.2718, 73.7233, 77.6285
YIQ	208.7770, -51.6210, -28.1410

# Conversions

## Conversions Part 2

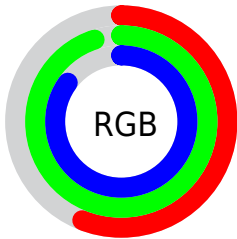
Format	Color
<b>RYB</b>	142, 198, 241
Decimal	9368026
CIELab	88.79, -34.35, 2.01
CIELCh	89, 34.405, 176.658
Yxy	73.7233, 0.2675, 0.3568
Android (android.graphics.Color)	4287558106 (0xFF8EF1DA)
YUV	208.7770, 4.5469, -58.5634
Hunter-Lab	85.8623, -35.3538, 6.4992

# Details

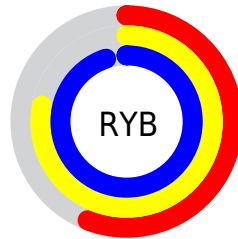
The Yxy color **73.7233, 0.2675, 0.3568** is a light color, and the websafe version is hex **99FFFF**. A complement of this color would be **40.7883, 0.3929, 0.3038**, and the grayscale version is **63.6138, 0.3127, 0.3290**.

A 20% lighter version of the original color is **91.0194, 0.2805, 0.3289**, and **38.8566, 0.2569, 0.3630** is the 20% darker color. If you saturate the color by 10%, you get **71.5300, 0.2594, 0.3649**, and if you desaturate by 10%, it is **76.3933, 0.2771, 0.3492**.

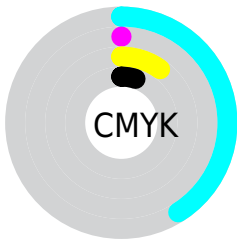
# Distribution



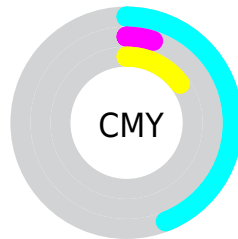
- Red (56%)
- Green (95%)
- Blue (85%)



- Red (56%)
- Yellow (78%)
- Blue (95%)



- Cyan (41%)
- Magenta (0%)
- Yellow (10%)
- Black (5%)



- Cyan (44%)
- Magenta (5%)
- Yellow (15%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 73.7233, 0.2675, 0.3568 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 73.7233, 0.2675, 0.3568 by changing the saturation by 10% instead.





 73.7233, 0.2675,  
0.3568


 73.7233, 0.2675,  
0.3568


473.5178, 0.2884,  
0.3439

 54.5676, 0.2628,  
0.3598


 124.5035, 0.2747,  
0.3523

 39.0556, 0.2569,  
0.3634


 156.8968, 0.2775,  
0.3506

 26.8030, 0.2495,  
0.3681

194.4714, 0.2800,  
0.3491

 17.4253, 0.2399,  
0.3742

237.6117, 0.2821,  
0.3478

 10.5382, 0.2269,  
0.3825

286.7021, 0.2839,  
0.3466

 5.7572, 0.2084,  
0.3946


342.1270, 0.2856,

 2.6980, 0.1801,


0.3456


0.4134


404.2708, 0.2870,  
0.3447


 0.9762, 0.0437,  
0.4924

 0.0000, 0.0000,  
0.0000


 73.7233, 0.2675,  
0.3568


 73.7233, 0.2675,  
0.3568


 71.5300, 0.2594,  
0.3649


 76.3933, 0.2771,  
0.3492


 69.7745, 0.2530,  
0.3733


 79.5585, 0.2878,  
0.3421


 68.4261, 0.2485,  
0.3819

 83.2472, 0.2993,  
0.3355

 67.4462, 0.2460,  
0.3906

 87.4829, 0.3114,  
0.3296

 66.7888, 0.2455,  
0.3993

 90.8231, 0.3188,  
0.3242

 66.4073, 0.2464,  
0.4070

 91.1727, 0.3154,  
0.3188

 91.3882, 0.3133,  
0.3156

# Harmonies

## Analogous

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



73.7233, 0.3046, 0.3903



73.7233, 0.2675, 0.3568



73.7233, 0.2433, 0.3163

# Triad

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



73.7233, 0.2675, 0.3568



73.7233, 0.2769, 0.2634



73.7233, 0.3948, 0.3673

# Complementary

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



73.7233, 0.2675, 0.3568



40.7883, 0.3929, 0.3038

# 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.



73.7233, 0.3872, 0.3343



73.7233, 0.2675, 0.3568



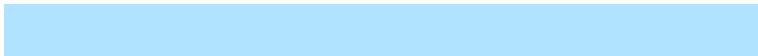
73.7233, 0.3167, 0.2769

# Square

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



73.7233, 0.2675, 0.3568



73.7233, 0.2486, 0.2650



73.7233, 0.3578, 0.3021



73.7233, 0.3790, 0.3934

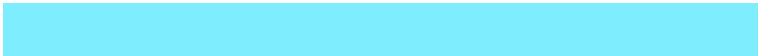


# Rectangle

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



73.7233, 0.2675, 0.3568



73.7233, 0.2369, 0.2928



73.7233, 0.3578, 0.3021



73.7233, 0.3950, 0.3567

# Sweetspot

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



73.7262, 0.2675, 0.3568



94.2011, 0.2981, 0.3361



72.8795, 0.3209, 0.4506



20.0396, 0.2966, 0.3370



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

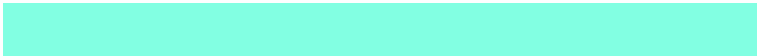


# Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



73.7262, 0.2675, 0.3568



81.7565, 0.2608, 0.3633



60.5140, 0.2513, 0.2967



17.8624, 0.3012, 0.3346



36.0343, 0.2460, 0.4056



3.0128, 0.2428, 0.3942



# Inverse Universe

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



40.7883, 0.3929, 0.3038



39.7462, 0.4178, 0.2992



48.8283, 0.4056, 0.3585



15.8191, 0.3257, 0.3235



10.3134, 0.5982, 0.3069

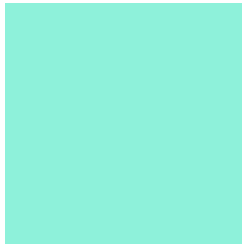


0.8728, 0.5617, 0.2868



# Previews

## White Background



This preview shows how the Yxy color 73.7233, 0.2675, 0.3568 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

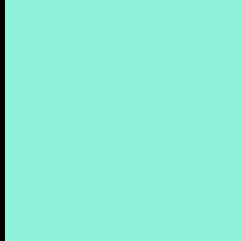
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 73.7233, 0.2675, 0.3568 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

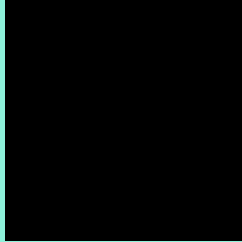
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

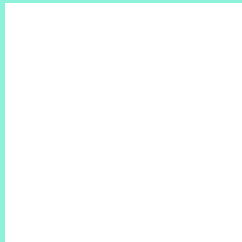
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 73.7233, 0.2675, 0.3568**

## **Background**



This preview shows how black text looks on a background with the Yxy color 73.7233, 0.2675, 0.3568.

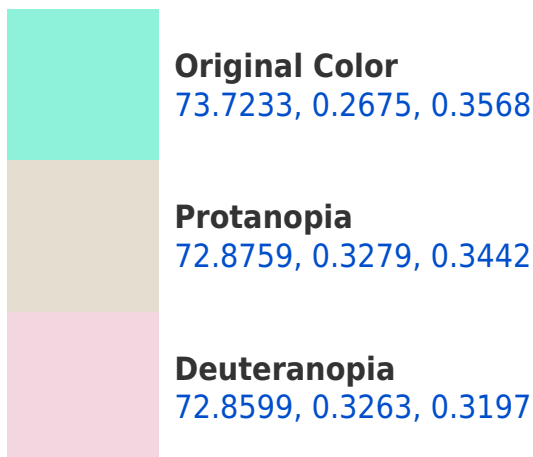


This preview shows how white text looks on a background with the Yxy color 73.7233, 0.2675, 0.3568.

# 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

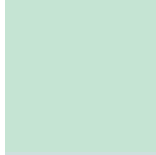
73.8863, 0.2536, 0.3072

# Trichromacy



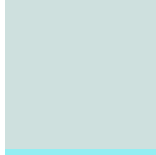
## Original Color

73.7233, 0.2675, 0.3568



## Protanomaly

72.0603, 0.3023, 0.3484



## Deuteranomaly

71.7070, 0.3016, 0.3312



## Tritanomaly

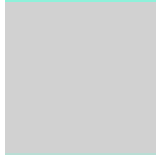
73.8558, 0.2581, 0.3242

# Monochromacy



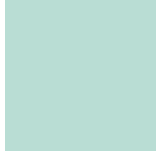
## Original Color

73.7233, 0.2675, 0.3568



## Achromatopsia

63.7597, 0.3127, 0.3290



## Achromatomaly

66.7807, 0.2936, 0.3396

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 73.7233, 0.2675, 0.3568 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(142, 241, 218)` looks like.

```
.text, #text, p{  
    color:rgb(142, 241, 218)  
}
```

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(142, 241, 218) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(142, 241, 218) }
```

## Border

The CSS property to change the border of an element to Yxy 73.7233, 0.2675, 0.3568 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(142, 241, 218) }
```

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

```
.border{ border-color:rgb(142, 241, 218) }
```

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

Here you see how a box with a 4 pixel rgb(142, 241, 218) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(142, 241, 218); -webkit-box-  
shadow:4px 4px 4px 4px rgb(142, 241, 218);  
box-shadow:4px 4px 4px 4px rgb(142, 241,  
218) }
```



# Background

The CSS property to change the background color of an element to Yxy 73.7233, 0.2675, 0.3568 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(142, 241, 218) }
```

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

```
.background{ background-color: rgb(142,  
241, 218) }
```

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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