

# Converting Colors

$Yxy(74.8743, 0.2691, 0.3568)$

Have a look what the booklet for  
Yxy(74.8743, 0.2691, 0.3568)  
contains.

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# Color

**Yxy(74.7297, 0.2691, 0.3565)**

# Conversions

## Conversions Part 1

Format	Color
Hex	92F2DB
RGB	146, 242, 219
RGB Percent	57%, 95%, 86%
CMY	0.4270, 0.0510, 0.1411
CMYK	0.40, 0.00, 0.09, 0.05
HSL	166°, 79%, 76%
HSV	166°, 40%, 95%
XYZ	56.4089, 74.7297, 78.4819
YIQ	210.6740, -49.8330, -27.5050

# Conversions

## Conversions Part 2

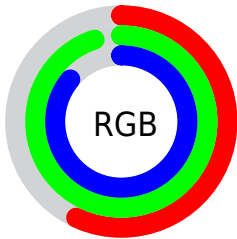
Format	Color
<a href="#">RYB</a>	<a href="#">146, 201, 242</a>
Decimal	<a href="#">9630427</a>
CIELab	<a href="#">89.27, -33.55, 2.17</a>
CIELCh	<a href="#">89, 33.620, 176.296</a>
Yxy	<a href="#">74.7297, 0.2691, 0.3565</a>
Android (android.graphics.Color)	<a href="#">4287820507</a> ( <a href="#">0xFF92F2DB</a> )
YUV	<a href="#">210.6740, 4.1047, -56.7191</a>
Hunter-Lab	<a href="#">86.4463, -34.8044, 6.6849</a>

# Details

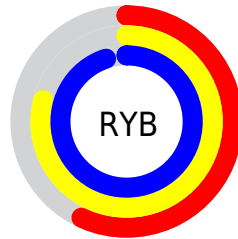
The Yxy color **74.7297, 0.2691, 0.3565** is a light color, and the websafe version is hex **99FFFF**. A complement of this color would be **42.3350, 0.3882, 0.3039**, and the grayscale version is **64.9308, 0.3127, 0.3290**.

A 20% lighter version of the original color is **91.4365, 0.2822, 0.3289**, and **39.5021, 0.2586, 0.3626** is the 20% darker color. If you saturate the color by 10%, you get **72.4426, 0.2608, 0.3648**, and if you desaturate by 10%, it is **77.5029, 0.2788, 0.3487**.

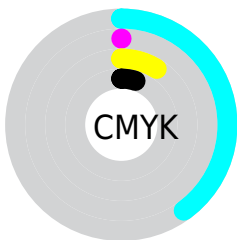
# Distribution



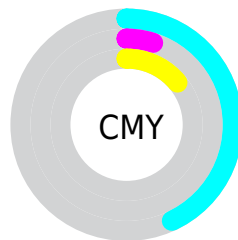
- Red (57%)
- Green (95%)
- Blue (86%)



- Red (57%)
- Yellow (79%)
- Blue (95%)



- Cyan (40%)
- Magenta (0%)
- Yellow (9%)
- Black (5%)




- Cyan (43%)
- Magenta (5%)
- Yellow (14%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 74.7297, 0.2691, 0.3565 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 74.7297, 0.2691, 0.3565 by changing the saturation by 10% instead.




 74.7297, 0.2691,  
0.3565

 74.7297, 0.2691,  
0.3565


476.9880, 0.2892,  
0.3437

 55.3915, 0.2645,  
0.3594


 125.9297, 0.2760,  
0.3521

 39.7152, 0.2589,  
0.3630


 158.5602, 0.2788,  
0.3503

 27.3166, 0.2518,  
0.3676


196.3903, 0.2811,  
0.3489

 17.8111, 0.2426,  
0.3736

239.8043, 0.2831,  
0.3476

 10.8145, 0.2302,  
0.3818

289.1868, 0.2849,  
0.3464

 5.9422, 0.2125,  
0.3937

344.9219, 0.2865,

 2.8100, 0.1854,

0.3454

407.3942, 0.2879,  
0.3445

0.4122

1.0333, 0.0724,  
0.4796

0.0000, 0.0000,  
0.0000

74.7297, 0.2691,  
0.3565

74.7297, 0.2691,  
0.3565

72.4426, 0.2608,  
0.3648

77.5029, 0.2788,  
0.3487

70.6026, 0.2542,  
0.3734

80.7805, 0.2895,  
0.3415


69.1793, 0.2495,  
0.3823

84.5907, 0.3011,  
0.3348

68.1347, 0.2468,  
0.3913

88.9573, 0.3132,  
0.3288

 67.4233, 0.2461,  
0.4003

 91.5333, 0.3176,  
0.3232

 66.9725, 0.2470,  
0.4092

 91.8987, 0.3140,  
0.3177

 66.9573, 0.2471,  
0.4095

 91.9758, 0.3133,  
0.3165

# Harmonies

## Analogous

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



74.7297, 0.3054, 0.3888



74.7297, 0.2691, 0.3565



74.7297, 0.2453, 0.3172

# Triad

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



74.7297, 0.2691, 0.3565



74.7297, 0.2775, 0.2650



74.7297, 0.3927, 0.3661

# Complementary

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



74.7297, 0.2691, 0.3565



42.3350, 0.3882, 0.3039

# 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.



74.7297, 0.3849, 0.3339



74.7297, 0.2691, 0.3565



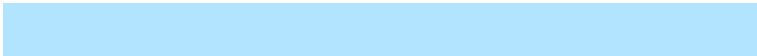
74.7297, 0.3161, 0.2780

# Square

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



74.7297, 0.2691, 0.3565



74.7297, 0.2500, 0.2668



74.7297, 0.3561, 0.3025



74.7297, 0.3775, 0.3916

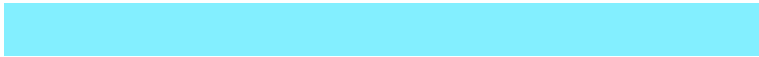


# Rectangle

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



74.7297, 0.2691, 0.3565



74.7297, 0.2388, 0.2942



74.7297, 0.3561, 0.3025



74.7297, 0.3927, 0.3557

# Sweetspot

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



74.7327, 0.2691, 0.3565



94.1881, 0.2983, 0.3364



74.1297, 0.3218, 0.4455



20.0365, 0.2967, 0.3372



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

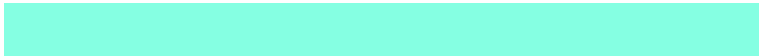


# Same Dimension

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



74.7327, 0.2691, 0.3565



81.9475, 0.2620, 0.3635



62.6833, 0.2535, 0.3000



17.8604, 0.3013, 0.3347



35.9973, 0.2467, 0.4080



3.0100, 0.2434, 0.3963



# Inverse Universe

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



42.3350, 0.3882, 0.3039



40.5315, 0.4135, 0.2988



49.7336, 0.4020, 0.3557



15.8209, 0.3256, 0.3234



10.3227, 0.5961, 0.3058

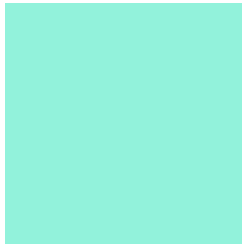


0.8738, 0.5595, 0.2856



# Previews

## White Background



This preview shows how the Yxy color 74.7297, 0.2691, 0.3565 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

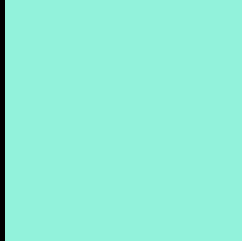
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 74.7297, 0.2691, 0.3565 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

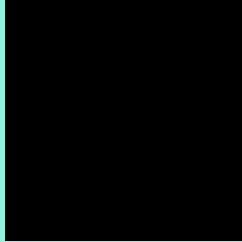
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 74.7297, 0.2691, 0.3565**

## **Background**



This preview shows how black text looks on a background with the Yxy color 74.7297, 0.2691, 0.3565.

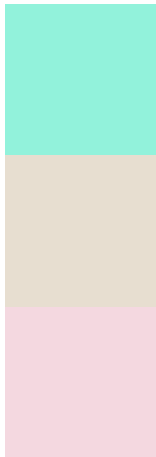


This preview shows how white text looks on a background with the Yxy color 74.7297, 0.2691, 0.3565.

# 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

74.7297, 0.2691, 0.3565

### Protanopia

73.7855, 0.3286, 0.3441

### Deuteranopia

73.7266, 0.3277, 0.3208



## Tritanopia

74.3790, 0.2560, 0.3073

# Trichromacy



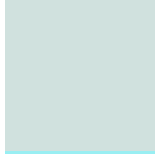
## Original Color

74.7297, 0.2691, 0.3565



## Protanomaly

73.0714, 0.3037, 0.3482



## Deuteranomaly

72.5343, 0.3029, 0.3323



## Tritanomaly

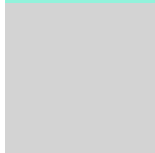
74.3322, 0.2606, 0.3242

# Monochromacy



## Original Color

74.7297, 0.2691, 0.3565



## Achromatopsia

65.1406, 0.3127, 0.3290



## Achromatomaly

67.6624, 0.2938, 0.3383

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 74.7297, 0.2691, 0.3565 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(146, 242, 219)` looks like.

```
.text, #text, p{  
    color:rgb(146, 242, 219)  
}
```

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(146, 242, 219) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(146, 242, 219) }
```

## Border

The CSS property to change the border of an element to Yxy 74.7297, 0.2691, 0.3565 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(146, 242, 219) }
```

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

```
.border{ border-color:rgb(146, 242, 219) }
```

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

Here you see how a box with a 4 pixel `rgb(146, 242, 219)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(146, 242, 219); -webkit-box-  
shadow:4px 4px 4px 4px rgb(146, 242, 219);  
box-shadow:4px 4px 4px 4px rgb(146, 242,  
219) }
```



# Background

The CSS property to change the background color of an element to Yxy 74.7297, 0.2691, 0.3565 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(146, 242, 219) }
```

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

```
.background{ background-color: rgb(146,  
242, 219) }
```

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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