

# Converting Colors

$Yxy(73.0890, 0.2877, 0.4043)$

Have a look what the booklet for  
Yxy(73.0890, 0.2877, 0.4043)  
contains.

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# Color

**Yxy(72.9014, 0.2876, 0.4042)**

# Conversions

## Conversions Part 1

Format	Color
Hex	91F2B6
RGB	145, 242, 182
RGB Percent	57%, 95%, 71%
CMY	0.4314, 0.0510, 0.2863
CMYK	0.40, 0.00, 0.25, 0.05
HSL	143°, 79%, 76%
HSV	143°, 40%, 95%
XYZ	51.8715, 72.9014, 55.5869
YIQ	206.1570, -38.5520, -39.2240

# Conversions

## Conversions Part 2

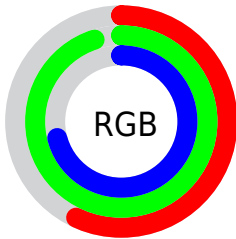
<b>Format</b>	<b>Color</b>
<b>RYB</b>	145, 215, 242
Decimal	9564854
CIELab	88.40, -41.40, 20.16
CIELCh	88, 46.047, 154.042
Yxy	72.9014, 0.2876, 0.4042
Android (android.graphics.Color)	4287754934 (0xFF91F2B6)
YUV	206.1570, -11.9094, -53.6347
Hunter-Lab	85.3823, -40.9768, 21.1678

# Details

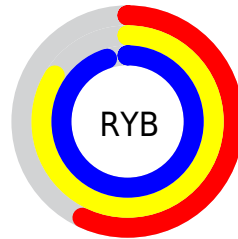
The Yxy color **72.9014, 0.2876, 0.4042** is a light color, and the websafe version is hex **99FFCC**. A complement of this color would be **43.5377, 0.3513, 0.2648**, and the grayscale version is **61.9244, 0.3127, 0.3290**.

A 20% lighter version of the original color is **90.2496, 0.2904, 0.3469**, and **38.4067, 0.2805, 0.4235** is the 20% darker color. If you saturate the color by 10%, you get **70.3488, 0.2830, 0.4273**, and if you desaturate by 10%, it is **75.9944, 0.2932, 0.3826**.

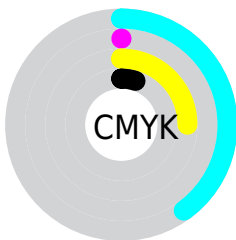
# Distribution



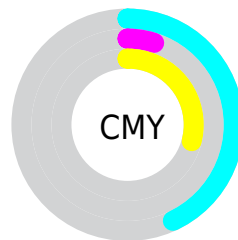
- Red (57%)
- Green (95%)
- Blue (71%)



- Red (57%)
- Yellow (84%)
- Blue (95%)



- Cyan (40%)
- Magenta (0%)
- Yellow (25%)
- Black (5%)




- Cyan (43%)
- Magenta (5%)
- Yellow (29%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 72.9014, 0.2876, 0.4042 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 72.9014, 0.2876, 0.4042 by changing the saturation by 10% instead.




 72.9014, 0.2876,  
0.4042


 72.9014, 0.2876,  
0.4042


470.6730, 0.3001,  
0.3676

 53.8953, 0.2845,  
0.4130


 123.3372, 0.2921,  
0.3911

 38.5180, 0.2806,  
0.4241


 155.5358, 0.2938,  
0.3862

 26.3850, 0.2754,  
0.4386

192.9006, 0.2953,  
0.3819

 17.1119, 0.2683,  
0.4582

235.8162, 0.2965,  
0.3783

 10.3143, 0.2579,  
0.4860

284.6668, 0.2976,  
0.3751

 5.6078, 0.2417,  
0.5283

339.8368, 0.2985,

 2.6081, 0.2136,

0.3723

0.6002

401.7108, 0.2994,  
0.3698

■ 0.9307, 0.0000,  
1.0000

■ 0.0000, 0.0000,  
0.0000

■ 72.9014, 0.2876,  
0.4042

■ 72.9014, 0.2876,  
0.4042

■ 70.3488, 0.2830,  
0.4273

■ 75.9944, 0.2932,  
0.3826

■ 68.2955, 0.2797,  
0.4514

■ 79.6481, 0.2994,  
0.3628

■ 66.7090, 0.2780,  
0.4758

■ 83.8927, 0.3060,  
0.3450

■ 65.5485, 0.2782,  
0.4995

■ 88.7536, 0.3127,  
0.3291

■ 64.7660, 0.2802,  
0.5216

■ 91.9876, 0.3133,  
0.3165

■ 64.2853, 0.2836,  
0.5411

# Harmonies

## Analogous

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



72.9014, 0.3419, 0.4293



72.9014, 0.2876, 0.4042



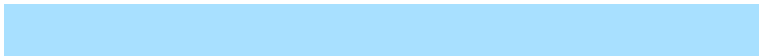
72.9014, 0.2426, 0.3525

# Triad

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



72.9014, 0.2876, 0.4042



72.9014, 0.2355, 0.2425



72.9014, 0.4187, 0.3450

# Complementary

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



72.9014, 0.2876, 0.4042



43.5377, 0.3513, 0.2648

# 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.



72.9014, 0.3851, 0.3027



72.9014, 0.2876, 0.4042



72.9014, 0.2766, 0.2462

# Square

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



72.9014, 0.2876, 0.4042



72.9014, 0.2149, 0.2594



72.9014, 0.3314, 0.2678



72.9014, 0.4200, 0.3874



# Rectangle

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



72.9014, 0.2876, 0.4042



72.9014, 0.2231, 0.3150



72.9014, 0.3314, 0.2678



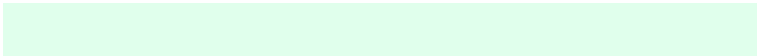
72.9014, 0.4107, 0.3306

# Sweetspot

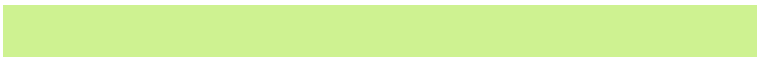
The Sweet Spot groups the original color and five complimentary colors.



72.9044, 0.2876, 0.4042



93.4914, 0.3047, 0.3483



78.7364, 0.3471, 0.4377



19.8724, 0.3038, 0.3506



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.



72.9044, 0.2876, 0.4042



79.7398, 0.2838, 0.4227



75.1886, 0.2636, 0.3442



17.7561, 0.3064, 0.3440



34.5573, 0.2828, 0.5380



2.8937, 0.2754, 0.5115



# Inverse Universe

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



43.5377, 0.3513, 0.2648



42.4959, 0.3623, 0.2524



41.5955, 0.4006, 0.3150



15.9233, 0.3196, 0.3145



11.3466, 0.4464, 0.2233

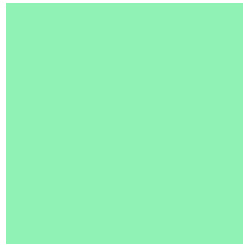


0.9633, 0.4254, 0.2117



# Previews

## White Background



This preview shows how the Yxy color 72.9014, 0.2876, 0.4042 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 72.9014, 0.2876, 0.4042 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 72.9014, 0.2876, 0.4042**

## Background



This preview shows how black text looks on a background with the Yxy color 72.9014, 0.2876, 0.4042.

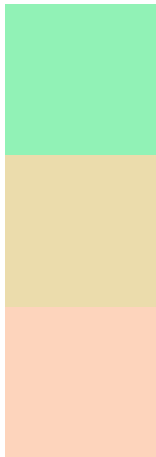


This preview shows how white text looks on a background with the Yxy color 72.9014, 0.2876, 0.4042.

# 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

72.9014, 0.2876, 0.4042

### Protanopia

71.8271, 0.3571, 0.3811

### Deuteranopia

71.6005, 0.3615, 0.3540



## Tritanopia

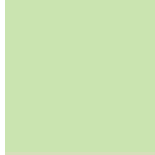
72.8832, 0.2589, 0.3072

# Trichromacy



## Original Color

72.9014, 0.2876, 0.4042



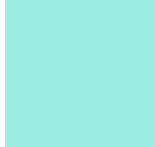
## Protanomaly

71.1780, 0.3279, 0.3894



## Deuteranomaly

70.6167, 0.3309, 0.3710



## Tritanomaly

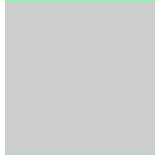
72.5055, 0.2687, 0.3396

# Monochromacy



## Original Color

72.9014, 0.2876, 0.4042



## Achromatopsia

61.7207, 0.3127, 0.3290



## Achromatomaly

64.8846, 0.3023, 0.3555

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 72.9014, 0.2876, 0.4042 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(145, 242, 182)` looks like.

```
.text, #text, p{  
    color:rgb(145, 242, 182)  
}
```

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(145, 242, 182) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(145, 242, 182) }
```

## Border

The CSS property to change the border of an element to Yxy 72.9014, 0.2876, 0.4042 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(145, 242, 182) }
```

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

```
.border{ border-color:rgb(145, 242, 182) }
```

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

Here you see how a box with a 4 pixel `rgb(145, 242, 182)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(145, 242, 182); -webkit-box-  
shadow:4px 4px 4px 4px rgb(145, 242, 182);  
box-shadow:4px 4px 4px 4px rgb(145, 242,  
182) }
```



# Background

The CSS property to change the background color of an element to Yxy 72.9014, 0.2876, 0.4042 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(145, 242, 182) }
```

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

```
.background{ background-color: rgb(145,  
242, 182) }
```

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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