

# Converting Colors

$Yxy(74.9795, 0.2860, 0.4001)$

Have a look what the booklet for  
Yxy(74.9795, 0.2860, 0.4001)  
contains.

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# Color

**Yxy(75.0957, 0.2863, 0.4007)**

# Conversions

## Conversions Part 1

Format	Color
Hex	93F5BB
RGB	147, 245, 187
RGB Percent	58%, 96%, 73%
CMY	0.4234, 0.0392, 0.2668
CMYK	0.40, 0.00, 0.24, 0.04
HSL	144°, 83%, 77%
HSV	144°, 40%, 96%
XYZ	53.6558, 75.0957, 58.6597
YIQ	209.0860, -39.7900, -38.8140

# Conversions

## Conversions Part 2

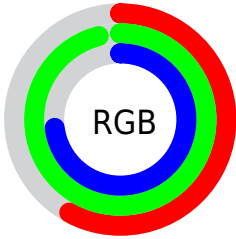
Format	Color
<b>RYB</b>	147, 217, 245
Decimal	9696699
CIELab	89.44, -41.24, 19.05
CIELCh	89, 45.427, 155.205
Yxy	75.0957, 0.2863, 0.4007
Android (android.graphics.Color)	4287886779 (0xFF93F5BB)
YUV	209.0860, -10.8884, -54.4494
Hunter-Lab	86.6578, -41.1294, 20.5263

# Details

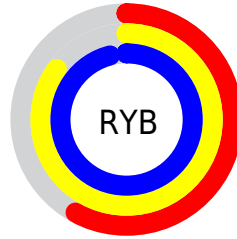
The Yxy color **75.0957, 0.2863, 0.4007** is a light color, and the websafe version is hex **99FFCC**. A complement of this color would be **44.7025, 0.3537, 0.2675**, and the grayscale version is **63.9162, 0.3127, 0.3290**.

A 20% lighter version of the original color is **90.8284, 0.2889, 0.3415**, and **39.9118, 0.2789, 0.4185** is the 20% darker color. If you saturate the color by 10%, you get **72.4788, 0.2814, 0.4228**, and if you desaturate by 10%, it is **78.2639, 0.2922, 0.3801**.

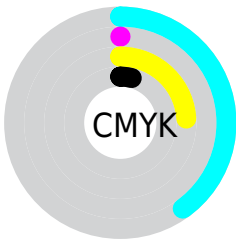
# Distribution



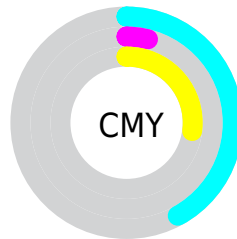
- Red (58%)
- Green (96%)
- Blue (73%)



- Red (58%)
- Yellow (85%)
- Blue (96%)



- Cyan (40%)
- Magenta (0%)
- Yellow (24%)
- Black (4%)




- Cyan (42%)
- Magenta (4%)
- Yellow (27%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 75.0957, 0.2863, 0.4007 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 75.0957, 0.2863, 0.4007 by changing the saturation by 10% instead.





 75.0957, 0.2863,  
0.4007


 75.0957, 0.2863,  
0.4007


478.2464, 0.2993,  
0.3660

 55.6913, 0.2832,  
0.4090


 126.4478, 0.2910,  
0.3884

 39.9555, 0.2792,  
0.4194


 159.1643, 0.2927,  
0.3837

 27.5038, 0.2739,  
0.4329


197.0870, 0.2942,  
0.3797

 17.9520, 0.2669,  
0.4511

240.6002, 0.2955,  
0.3762

 10.9155, 0.2567,  
0.4768

290.0884, 0.2966,  
0.3732

 6.0100, 0.2411,  
0.5156

345.9358, 0.2976,

 2.8512, 0.2144,

0.3705

408.5271, 0.2985,  
0.3681

0.5798

1.0545, 0.0000,  
1.0000

0.0000, 0.0000,  
0.0000

75.0957, 0.2863,  
0.4007

75.0957, 0.2863,  
0.4007

72.4788, 0.2814,  
0.4228

78.2639, 0.2922,  
0.3801

70.3712, 0.2779,  
0.4459

82.0042, 0.2987,  
0.3612

68.7396, 0.2761,  
0.4693

86.3473, 0.3056,  
0.3442

67.5425, 0.2761,  
0.4923

91.3190, 0.3127,  
0.3290

■ 66.7308, 0.2780,  
0.5139

■ 93.7862, 0.3132,  
0.3194

■ 66.2241, 0.2815,  
0.5335

■ 66.2235, 0.2815,  
0.5335

# Harmonies

## Analogous

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



75.0957, 0.3393, 0.4266



75.0957, 0.2863, 0.4007



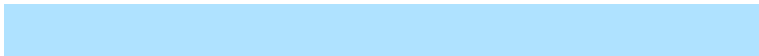
75.0957, 0.2428, 0.3498

# Triad

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



75.0957, 0.2863, 0.4007



75.0957, 0.2383, 0.2441



75.0957, 0.4168, 0.3465

# Complementary

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



75.0957, 0.2863, 0.4007



44.7025, 0.3537, 0.2675

# 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.



75.0957, 0.3852, 0.3049



75.0957, 0.2863, 0.4007



75.0957, 0.2793, 0.2484

# Square

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



75.0957, 0.2863, 0.4007



75.0957, 0.2173, 0.2600



75.0957, 0.3332, 0.2701



75.0957, 0.4170, 0.3879



# Rectangle

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



75.0957, 0.2863, 0.4007



75.0957, 0.2242, 0.3135



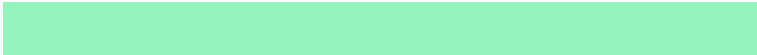
75.0957, 0.3332, 0.2701



75.0957, 0.4095, 0.3323

# Sweetspot

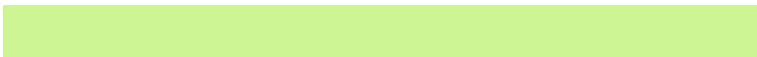
The Sweet Spot groups the original color and five complimentary colors.



75.0988, 0.2863, 0.4007



93.5382, 0.3042, 0.3475



80.5092, 0.3448, 0.4384



19.8834, 0.3033, 0.3497



0.0000, 0.0000, 0.0000

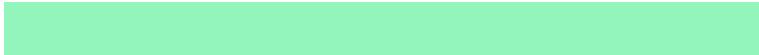


21.4041, 0.3127, 0.3290

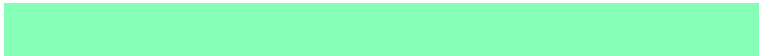


# Same Dimension

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



75.0988, 0.2863, 0.4007



79.8717, 0.2823, 0.4185



77.5225, 0.2621, 0.3403



18.5840, 0.3060, 0.3434



35.7011, 0.2807, 0.5305



3.1576, 0.2738, 0.5056



# Inverse Universe

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



44.7025, 0.3537, 0.2675



42.3389, 0.3656, 0.2554



42.7198, 0.4039, 0.3186



16.6473, 0.3201, 0.3151



11.5898, 0.4572, 0.2292

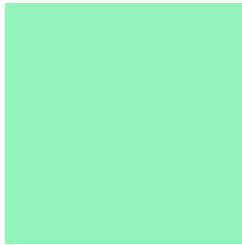


1.0390, 0.4354, 0.2172



# Previews

## White Background



This preview shows how the Yxy color 75.0957, 0.2863, 0.4007 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

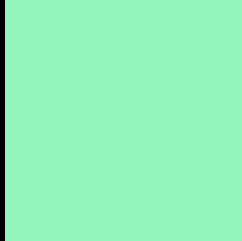
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 75.0957, 0.2863, 0.4007 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

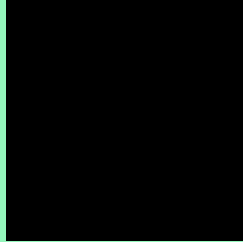
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 75.0957, 0.2863, 0.4007**

## **Background**



This preview shows how black text looks on a background with the Yxy color 75.0957, 0.2863, 0.4007.

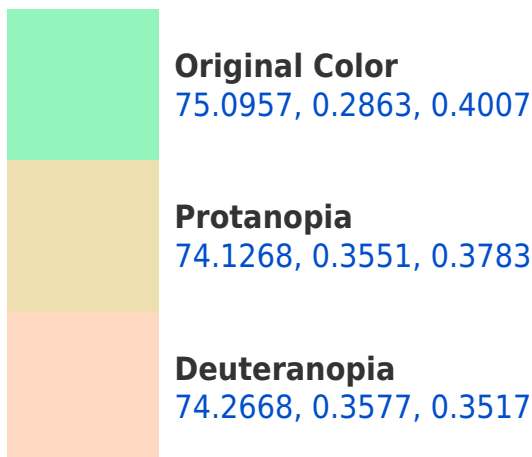


This preview shows how white text looks on a background with the Yxy color 75.0957, 0.2863, 0.4007.

# 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

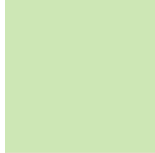
74.8923, 0.2584, 0.3075

# Trichromacy



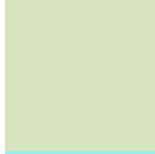
## Original Color

75.0957, 0.2863, 0.4007



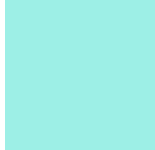
## Protanomaly

73.4672, 0.3265, 0.3863



## Deuteranomaly

73.2987, 0.3284, 0.3693



## Tritanomaly

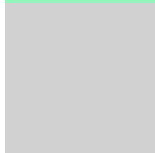
74.6143, 0.2686, 0.3394

# Monochromacy



## Original Color

75.0957, 0.2863, 0.4007



## Achromatopsia

63.7597, 0.3127, 0.3290



## Achromatomaly

66.8987, 0.3012, 0.3540

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 75.0957, 0.2863, 0.4007 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(147, 245, 187)` looks like.

```
.text, #text, p{  
    color:rgb(147, 245, 187)  
}
```

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(147, 245, 187) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(147, 245, 187) }
```

## Border

The CSS property to change the border of an element to Yxy 75.0957, 0.2863, 0.4007 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(147, 245, 187) }
```

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

```
.border{ border-color:rgb(147, 245, 187) }
```

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

Here you see how a box with a 4 pixel `rgb(147, 245, 187)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(147, 245, 187); -webkit-box-shadow:4px 4px 4px 4px rgb(147, 245, 187); box-shadow:4px 4px 4px 4px rgb(147, 245, 187) }
```



# Background

The CSS property to change the background color of an element to Yxy 75.0957, 0.2863, 0.4007 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(147, 245, 187) }
```

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

```
.background{ background-color: rgb(147,  
245, 187) }
```

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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