

# Converting Colors

$Yxy(72.7836, 0.2864, 0.3876)$

Have a look what the booklet for  
Yxy(72.7836, 0.2864, 0.3876)  
contains.

<b>Yxy(72.8983, 0.2865, 0.3881)</b> .....	3
<b><i>Conversions</i></b> .....	4
<b><i>Details</i></b> .....	6
<b><i>Harmonies</i></b> .....	12
<b><i>Previews</i></b> .....	24
<b><i>Color Blindness Simulation</i></b> .....	27
<b><i>CSS Examples</i></b> .....	30

# Color

**Yxy(72.8983, 0.2865, 0.3881)**

# Conversions

## Conversions Part 1

Format	Color
Hex	99F0C0
RGB	153, 240, 192
RGB Percent	60%, 94%, 75%
CMY	0.4000, 0.0588, 0.2469
CMYK	0.36, 0.00, 0.20, 0.06
HSL	147°, 74%, 77%
HSV	147°, 36%, 94%
XYZ	53.8144, 72.8983, 61.1211
YIQ	208.5150, -36.4440, -33.3720

# Conversions

## Conversions Part 2

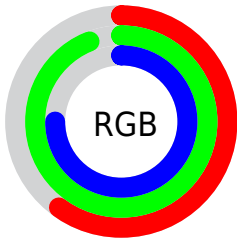
Format	Color
<b>RYB</b>	153, 213, 240
Decimal	10088640
CIELab	88.40, -36.36, 15.02
CIELCh	88, 39.334, 157.559
Yxy	72.8983, 0.2865, 0.3881
Android (android.graphics.Color)	4288278720 (0xFF99F0C0)
YUV	208.5150, -8.1419, -48.6867
Hunter-Lab	85.3805, -36.9093, 17.3226

# Details

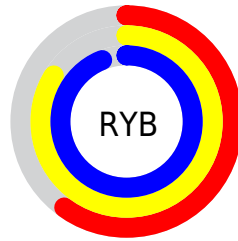
The Yxy color **72.8983, 0.2865, 0.3881** is a light color, and the websafe version is hex **99FFCC**. A complement of this color would be **45.5253, 0.3521, 0.2770**, and the grayscale version is **63.5034, 0.3127, 0.3290**.

A 20% lighter version of the original color is **91.9989, 0.2897, 0.3362**, and **38.2986, 0.2799, 0.4036** is the 20% darker color. If you saturate the color by 10%, you get **70.2354, 0.2808, 0.4081**, and if you desaturate by 10%, it is **76.0896, 0.2931, 0.3696**.

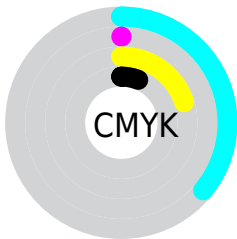
# Distribution



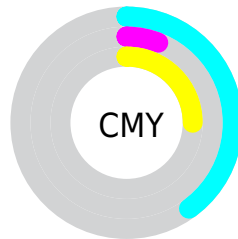
- Red (60%)
- Green (94%)
- Blue (75%)



- Red (60%)
- Yellow (84%)
- Blue (94%)



- Cyan (36%)
- Magenta (0%)
- Yellow (20%)
- Black (6%)




- Cyan (40%)
- Magenta (6%)
- Yellow (25%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 72.8983, 0.2865, 0.3881 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 72.8983, 0.2865, 0.3881 by changing the saturation by 10% instead.





 72.8983, 0.2865,  
0.3881


 72.8983, 0.2865,  
0.3881


470.6623, 0.2992,  
0.3596

 53.8928, 0.2835,  
0.3949


 123.3328, 0.2910,  
0.3780

 38.5160, 0.2796,  
0.4035


 155.5306, 0.2927,  
0.3741

 26.3834, 0.2747,  
0.4146


192.8947, 0.2942,  
0.3708

 17.1107, 0.2680,  
0.4296

235.8094, 0.2955,  
0.3679

 10.3134, 0.2584,  
0.4508

284.6591, 0.2966,  
0.3654

 5.6073, 0.2440,  
0.4829

339.8282, 0.2976,

 2.6078, 0.2195,

0.3633

401.7011, 0.2984,  
0.3613

0.5370

0.9306, 0.0000,  
1.0000

0.0000, 0.0000,  
0.0000

72.8983, 0.2865,  
0.3881

72.8983, 0.2865,  
0.3881

70.2354, 0.2808,  
0.4081

76.0896, 0.2931,  
0.3696

68.0621, 0.2764,  
0.4292

79.8277, 0.3004,  
0.3528

66.3488, 0.2736,  
0.4509

84.1407, 0.3079,  
0.3376

65.0583, 0.2726,  
0.4727

89.0526, 0.3156,  
0.3241

■ 64.1476, 0.2736,  
0.4938

■ 90.8014, 0.3134,  
0.3146

■ 63.5634, 0.2766,  
0.5135

■ 63.3970, 0.2779,  
0.5205

# Harmonies

## Analogous

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



72.8983, 0.3330, 0.4129



72.8983, 0.2865, 0.3881



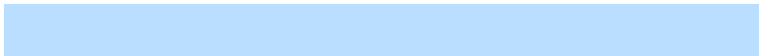
72.8983, 0.2489, 0.3437

# Triad

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



72.8983, 0.2865, 0.3881



72.8983, 0.2494, 0.2535



72.8983, 0.4047, 0.3483

# Complementary

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



72.8983, 0.2865, 0.3881



45.5253, 0.3521, 0.2770

# 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.



72.8983, 0.3791, 0.3108



72.8983, 0.2865, 0.3881



72.8983, 0.2871, 0.2585

# Square

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



72.8983, 0.2865, 0.3881



72.8983, 0.2290, 0.2667



72.8983, 0.3347, 0.2790



72.8983, 0.4031, 0.3843



# Rectangle

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



72.8983, 0.2865, 0.3881



72.8983, 0.2332, 0.3125



72.8983, 0.3347, 0.2790



72.8983, 0.3990, 0.3356

# Sweetspot

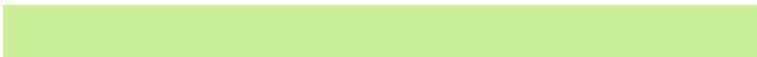
The Sweet Spot groups the original color and five complimentary colors.



72.9013, 0.2865, 0.3881



94.1063, 0.3043, 0.3447



77.2203, 0.3401, 0.4281



19.9995, 0.3032, 0.3467



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

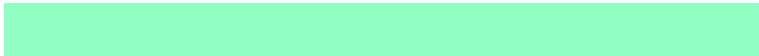


# Same Dimension

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



72.9013, 0.2865, 0.3881



81.4909, 0.2825, 0.4017



75.0462, 0.2647, 0.3356



17.7743, 0.3055, 0.3423



34.7298, 0.2771, 0.5176



2.9090, 0.2700, 0.4921



# Inverse Universe

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



45.5253, 0.3521, 0.2770



46.0649, 0.3626, 0.2671



43.8059, 0.3947, 0.3228



15.9047, 0.3207, 0.3161



11.0852, 0.4741, 0.2386

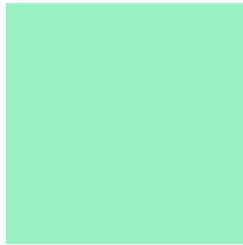


0.9422, 0.4484, 0.2244



# Previews

## White Background



This preview shows how the Yxy color 72.8983, 0.2865, 0.3881 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

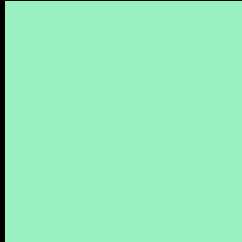
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 72.8983, 0.2865, 0.3881 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 72.8983, 0.2865, 0.3881**

## **Background**



This preview shows how black text looks on a background with the Yxy color 72.8983, 0.2865, 0.3881.

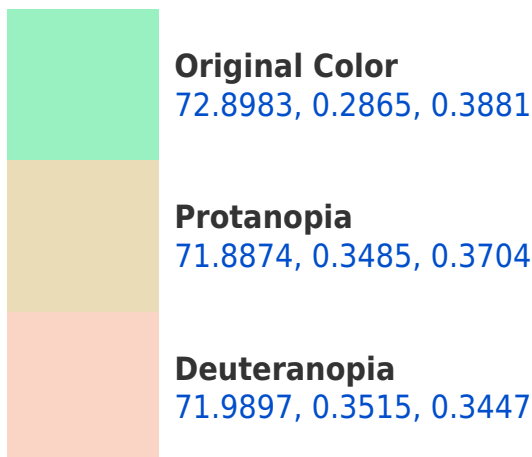


This preview shows how white text looks on a background with the Yxy color 72.8983, 0.2865, 0.3881.

# 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

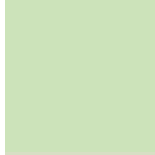
72.7853, 0.2618, 0.3073

# Trichromacy



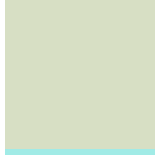
## Original Color

72.8983, 0.2865, 0.3881



## Protanomaly

71.3207, 0.3231, 0.3763



## Deuteranomaly

71.2079, 0.3249, 0.3593



## Tritanomaly

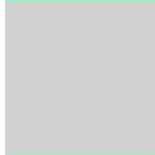
72.7069, 0.2702, 0.3347

# Monochromacy



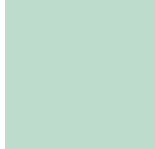
## Original Color

72.8983, 0.2865, 0.3881



## Achromatopsia

63.7597, 0.3127, 0.3290



## Achromatomaly

66.3170, 0.3020, 0.3491

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 72.8983, 0.2865, 0.3881 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, 240, 192)` looks like.

```
.text, #text, p{  
    color:rgb(153, 240, 192)  
}
```

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, 240, 192) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(153, 240, 192) }
```

## Border

The CSS property to change the border of an element to Yxy 72.8983, 0.2865, 0.3881 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, 240, 192) }
```

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

```
.border{ border-color:rgb(153, 240, 192) }
```

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

Here you see how a box with a 4 pixel `rgb(153, 240, 192)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(153, 240, 192); -webkit-box-  
shadow:4px 4px 4px 4px rgb(153, 240, 192);  
box-shadow:4px 4px 4px 4px rgb(153, 240,  
192) }
```



# Background

The CSS property to change the background color of an element to Yxy 72.8983, 0.2865, 0.3881 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(153, 240, 192) }
```

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

```
.background{ background-color: rgb(153,  
240, 192) }
```

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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