

# Converting Colors

$Yxy(79.1457, 0.2907, 0.4210)$

Have a look what the booklet for  
Yxy(79.1457, 0.2907, 0.4210)  
contains.

<b>Yxy(78.8149, 0.2908, 0.4211)</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(78.8149, 0.2908, 0.4211)**

# Conversions

## Conversions Part 1

Format	Color
Hex	91FCB1
RGB	145, 252, 177
RGB Percent	57%, 99%, 69%
CMY	0.4312, 0.0118, 0.3060
CMYK	0.42, 0.00, 0.30, 0.01
HSL	138°, 95%, 78%
HSV	138°, 42%, 99%
XYZ	54.4274, 78.8149, 53.9220
YIQ	211.4570, -39.6970, -46.0090

# Conversions

## Conversions Part 2

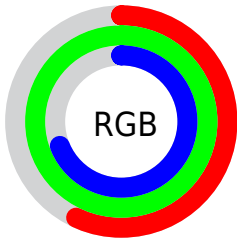
<b>Format</b>	<b>Color</b>
<b>RYB</b>	145, 227, 252
Decimal	9567409
CIELab	91.15, -46.65, 26.51
CIELCh	91, 53.656, 150.393
Yxy	78.8149, 0.2908, 0.4211
Android (android.graphics.Color)	4287757489 (0xFF91FCB1)
YUV	211.4570, -16.9873, -58.2828
Hunter-Lab	88.7778, -45.9273, 26.1327

# Details

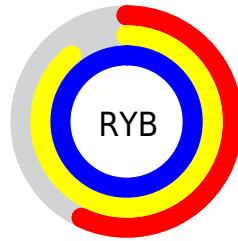
The Yxy color **78.8149, 0.2908, 0.4211** is a light color, and the websafe version is hex **99FFCC**. A complement of this color would be **46.1341, 0.3460, 0.2525**, and the grayscale version is **65.6016, 0.3127, 0.3290**.

A 20% lighter version of the original color is **90.0997, 0.2937, 0.3523**, and **42.5602, 0.2843, 0.4452** is the 20% darker color. If you saturate the color by 10%, you get **76.1163, 0.2872, 0.4478**, and if you desaturate by 10%, it is **82.1190, 0.2953, 0.3959**.

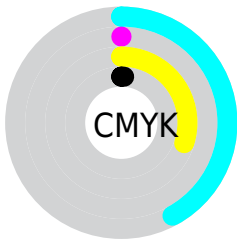
# Distribution



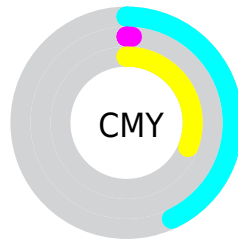
- Red (57%)
- Green (99%)
- Blue (69%)



- Red (57%)
- Yellow (89%)
- Blue (99%)



- Cyan (42%)
- Magenta (0%)
- Yellow (30%)
- Black (1%)




- Cyan (43%)
- Magenta (1%)
- Yellow (31%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 78.8149, 0.2908, 0.4211 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 78.8149, 0.2908, 0.4211 by changing the saturation by 10% instead.





 78.8149, 0.2908,  
0.4211

 78.8149, 0.2908,  
0.4211


490.9299, 0.3021,  
0.3765

 58.7436, 0.2879,  
0.4317

 131.6982, 0.2950,  
0.4053

 42.4068, 0.2842,  
0.4451


 165.2791, 0.2965,  
0.3992

 29.4199, 0.2792,  
0.4623


204.1320, 0.2978,  
0.3941

 19.3987, 0.2723,  
0.4854

248.6412, 0.2989,  
0.3896

 11.9587, 0.2621,  
0.5177

299.1912, 0.2999,  
0.3857

 6.7156, 0.2459,  
0.5656


356.1664, 0.3007,


 3.2849, 0.2182,


0.3823


0.6451


419.9512, 0.3015,  
0.3792


 1.2822, 0.0262,  
0.9738


 0.1274, 0.0000,  
1.0000


 78.8149, 0.2908,  
0.4211


 78.8149, 0.2908,  
0.4211


 76.1163, 0.2872,  
0.4478

 82.1190, 0.2953,  
0.3959


 73.9762, 0.2848,  
0.4751

 86.0531, 0.3004,  
0.3727

 72.3558, 0.2840,  
0.5020

 90.6518, 0.3058,  
0.3518

 71.2074, 0.2848,  
0.5271

 95.9446, 0.3114,  
0.3332

■ 70.4736, 0.2872,  
0.5490

■ 98.1005, 0.3128,  
0.3261

■ 70.1313, 0.2897,  
0.5631

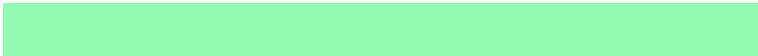
# Harmonies

## Analogous

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



78.8149, 0.3521, 0.4443



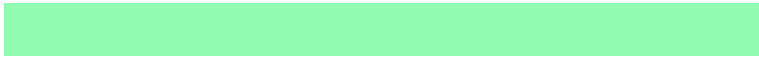
78.8149, 0.2908, 0.4211



78.8149, 0.2385, 0.3634

# Triad

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



78.8149, 0.2908, 0.4211



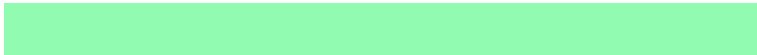
78.8149, 0.2220, 0.2330



78.8149, 0.4303, 0.3399

# Complementary

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



78.8149, 0.2908, 0.4211



46.1341, 0.3460, 0.2525

# 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.



78.8149, 0.3883, 0.2938



78.8149, 0.2908, 0.4211



78.8149, 0.2650, 0.2349

# Square

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



78.8149, 0.2908, 0.4211



78.8149, 0.2023, 0.2541



78.8149, 0.3256, 0.2566

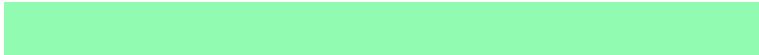


78.8149, 0.4358, 0.3878



# Rectangle

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



78.8149, 0.2908, 0.4211



78.8149, 0.2151, 0.3198



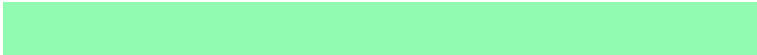
78.8149, 0.3256, 0.2566



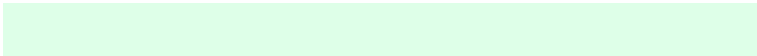
78.8149, 0.4199, 0.3240

# Sweetspot

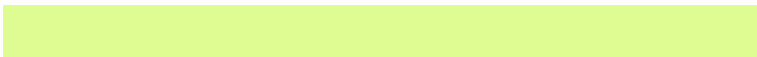
The Sweet Spot groups the original color and five complimentary colors.



78.8182, 0.2908, 0.4211



92.8375, 0.3055, 0.3529



87.1484, 0.3550, 0.4423



19.6367, 0.3043, 0.3574



0.0000, 0.0000, 0.0000

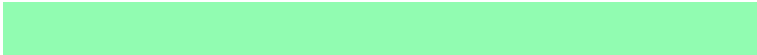


21.4041, 0.3127, 0.3290



# Same Dimension

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



78.8182, 0.2908, 0.4211



78.5479, 0.2876, 0.4440



81.2926, 0.2654, 0.3559



19.3945, 0.3075, 0.3461



36.5549, 0.2889, 0.5602



3.4034, 0.2824, 0.5368



# Inverse Universe

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



46.1341, 0.3460, 0.2525



40.8822, 0.3553, 0.2382



43.7979, 0.3991, 0.3047



17.4311, 0.3184, 0.3125



12.4570, 0.4142, 0.2055

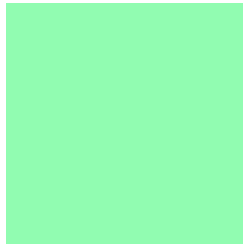


1.1724, 0.4003, 0.1979



# Previews

## White Background



This preview shows how the Yxy color 78.8149, 0.2908, 0.4211 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

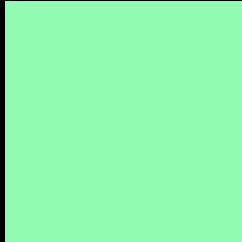
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 78.8149, 0.2908, 0.4211 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

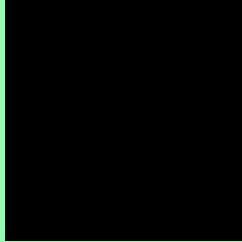
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 78.8149, 0.2908, 0.4211**

## **Background**



This preview shows how black text looks on a background with the Yxy color 78.8149, 0.2908, 0.4211.

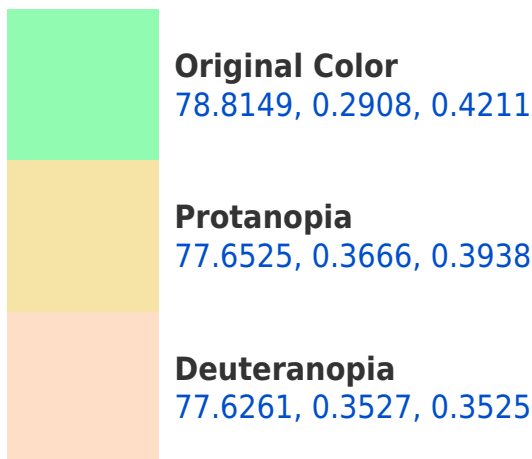


This preview shows how white text looks on a background with the Yxy color 78.8149, 0.2908, 0.4211.

# 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

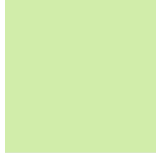
78.4180, 0.2671, 0.3113

# Trichromacy



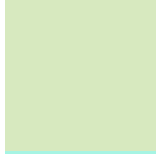
## Original Color

78.8149, 0.2908, 0.4211



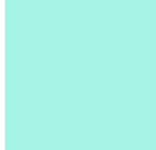
## Protanomaly

77.0260, 0.3353, 0.4046



## Deuteranomaly

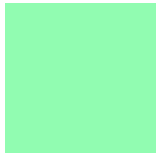
76.4865, 0.3270, 0.3757



## Tritanomaly

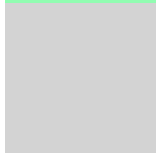
78.3544, 0.2755, 0.3485

# Monochromacy



## Original Color

78.8149, 0.2908, 0.4211



## Achromatopsia

65.1406, 0.3127, 0.3290



## Achromatomaly

69.0810, 0.3030, 0.3609

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 78.8149, 0.2908, 0.4211 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, 252, 177)` looks like.

```
.text, #text, p{  
    color:rgb(145, 252, 177)  
}
```

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, 252, 177) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(145, 252, 177) }
```

## Border

The CSS property to change the border of an element to Yxy 78.8149, 0.2908, 0.4211 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, 252, 177) }
```

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

```
.border{ border-color:rgb(145, 252, 177) }
```

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

Here you see how a box with a 4 pixel `rgb(145, 252, 177)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(145, 252, 177); -webkit-box-shadow:4px 4px 4px 4px rgb(145, 252, 177); box-shadow:4px 4px 4px 4px rgb(145, 252, 177) }
```



# Background

The CSS property to change the background color of an element to Yxy 78.8149, 0.2908, 0.4211 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(145, 252, 177) }
```

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

```
.background{ background-color: rgb(145,  
252, 177) }
```

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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