

# Converting Colors

$Y_{xy}(79.5961, 0.2819, 0.4211)$

Have a look what the booklet for  
Yxy(79.5961, 0.2819, 0.4211)  
contains.

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# Color

**Yxy(79.6020, 0.2818, 0.4208)**

# Conversions

## Conversions Part 1

Format	Color
Hex	82FFB5
RGB	130, 255, 181
RGB Percent	51%, 100%, 71%
CMY	0.4901, 0.0000, 0.2903
CMYK	0.49, 0.00, 0.29, 0.00
HSL	144°, 100%, 75%
HSV	144°, 49%, 100%
XYZ	53.3076, 79.6020, 56.2586
YIQ	209.1890, -50.7460, -49.5140

# Conversions

## Conversions Part 2

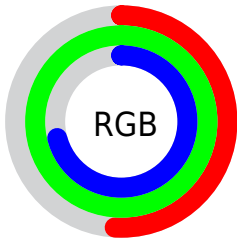
<b>Format</b>	<b>Color</b>
<b>RYB</b>	130, 219, 255
Decimal	8585141
CIELab	91.51, -51.05, 24.87
CIELCh	92, 56.785, 154.028
Yxy	79.6020, 0.2818, 0.4208
Android (android.graphics.Color)	4286775221 (0xFF82FFB5)
YUV	209.1890, -13.8972, -69.4488
Hunter-Lab	89.2200, -49.4838, 25.0680

# Details

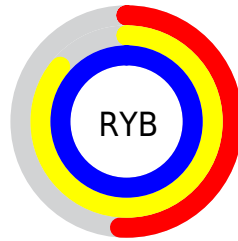
The Yxy color **79.6020, 0.2818, 0.4208** is a light color, and the websafe version is hex **66FFCC**. A complement of this color would be **41.5953, 0.3672, 0.2540**, and the grayscale version is **64.0115, 0.3127, 0.3290**.

A 20% lighter version of the original color is **88.4532, 0.2837, 0.3484**, and **42.7562, 0.2731, 0.4437** is the 20% darker color. If you saturate the color by 10%, you get **77.2435, 0.2781, 0.4439**, and if you desaturate by 10%, it is **82.5304, 0.2868, 0.3988**.

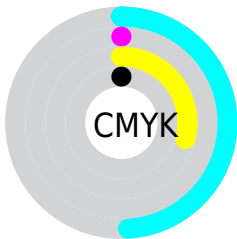
# Distribution



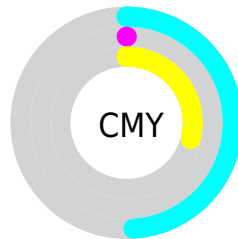
- Red (51%)
- Green (100%)
- Blue (71%)



- Red (51%)
- Yellow (86%)
- Blue (100%)



- Cyan (49%)
- Magenta (0%)
- Yellow (29%)
- Black (0%)




- Cyan (49%)
- Magenta (0%)
- Yellow (29%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 79.6020, 0.2818, 0.4208 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 79.6020, 0.2818, 0.4208 by changing the saturation by 10% instead.



 79.6020, 0.2818,  
0.4208

 79.6020, 0.2818,  
0.4208


493.5905, 0.2972,  
0.3764


 59.3909, 0.2780,  
0.4314


 132.8060, 0.2873,  
0.4050

 42.9279, 0.2732,  
0.4447


 166.5677, 0.2894,  
0.3990

 29.8285, 0.2669,  
0.4619


 205.6151, 0.2912,  
0.3938

 19.7085, 0.2584,  
0.4849

250.3325, 0.2927,  
0.3894

 12.1833, 0.2461,  
0.5171

301.1044, 0.2941,  
0.3855

 6.8686, 0.2272,  
0.5650

358.3150, 0.2952,

 3.3801, 0.1955,

0.3821

0.6422

422.3490, 0.2963,  
0.3791

■ 1.3332, 0.0000,  
1.0000

■ 0.1667, 0.0000,  
1.0000

■ 79.6020, 0.2818,  
0.4208

■ 79.6020, 0.2818,  
0.4208

■ 77.2435, 0.2781,  
0.4439

■ 82.5304, 0.2868,  
0.3988

■ 75.4105, 0.2761,  
0.4674

■ 86.0599, 0.2927,  
0.3783

■ 74.0595, 0.2760,  
0.4904

■ 90.2247, 0.2994,  
0.3595

■ 73.1371, 0.2778,  
0.5122

■ 95.0553, 0.3063,  
0.3426

■ 72.5657, 0.2813,  
0.5320

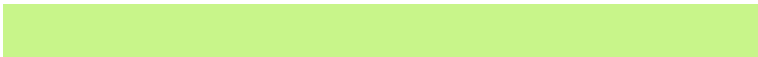
100.0000, 0.3127,  
0.3290

■ 72.5187, 0.2816,  
0.5338

# Harmonies

## Analogous

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



79.6020, 0.3459, 0.4504



79.6020, 0.2818, 0.4208



79.6020, 0.2293, 0.3567

# Triad

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



79.6020, 0.2818, 0.4208



79.6020, 0.2217, 0.2274



79.6020, 0.4396, 0.3460

# Complementary

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



79.6020, 0.2818, 0.4208



41.5953, 0.3672, 0.2540

# 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.



79.6020, 0.3994, 0.2973



79.6020, 0.2818, 0.4208



79.6020, 0.2693, 0.2322

# Square

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



79.6020, 0.2818, 0.4208



79.6020, 0.1982, 0.2460



79.6020, 0.3344, 0.2571

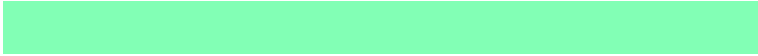


79.6020, 0.4402, 0.3959



# Rectangle

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



79.6020, 0.2818, 0.4208



79.6020, 0.2071, 0.3110



79.6020, 0.3344, 0.2571



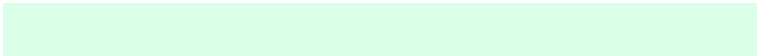
79.6020, 0.4303, 0.3293

# Sweetspot

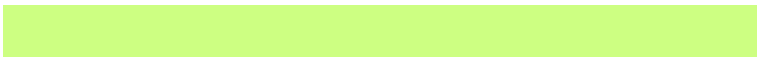
The Sweet Spot groups the original color and five complimentary colors.



79.6035, 0.2818, 0.4208



92.0792, 0.3021, 0.3525



86.1133, 0.3504, 0.4644



19.4971, 0.3007, 0.3562



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.



79.6035, 0.2818, 0.4208



77.2451, 0.2781, 0.4439



82.7093, 0.2535, 0.3433



20.2909, 0.3060, 0.3434



37.9204, 0.2808, 0.5308



3.7132, 0.2745, 0.5082



# Inverse Universe

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



41.5953, 0.3672, 0.2540



35.1516, 0.3838, 0.2411



39.2021, 0.4372, 0.3165



18.1677, 0.3201, 0.3150



12.3074, 0.4576, 0.2294

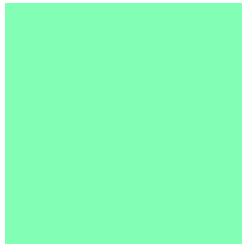


1.2200, 0.4377, 0.2185



# Previews

## White Background



This preview shows how the Yxy color 79.6020, 0.2818, 0.4208 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 79.6020, 0.2818, 0.4208 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

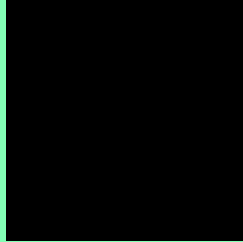
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 79.6020, 0.2818, 0.4208**

## **Background**



This preview shows how black text looks on a background with the Yxy color 79.6020, 0.2818, 0.4208.

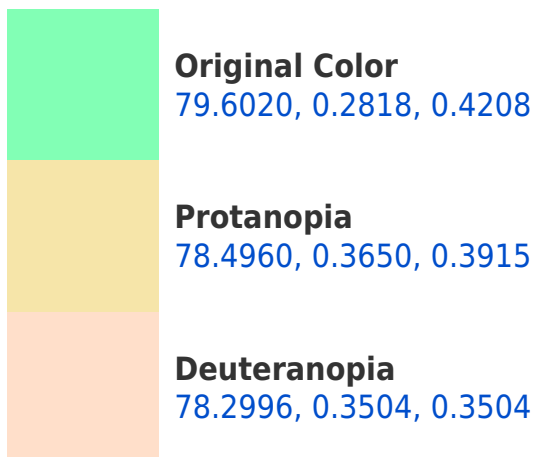


This preview shows how white text looks on a background with the Yxy color 79.6020, 0.2818, 0.4208.

# 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

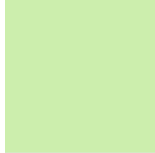
78.8873, 0.2667, 0.3124

# Trichromacy



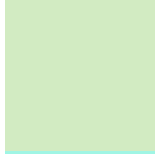
## Original Color

79.6020, 0.2818, 0.4208



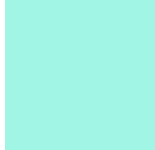
## Protanomaly

77.0036, 0.3298, 0.4029



## Deuteranomaly

77.0133, 0.3213, 0.3748



## Tritanomaly

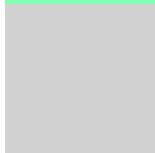
78.3798, 0.2720, 0.3486

# Monochromacy



## Original Color

79.6020, 0.2818, 0.4208



## Achromatopsia

63.7597, 0.3127, 0.3290



## Achromatomaly

68.2195, 0.2984, 0.3614

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 79.6020, 0.2818, 0.4208 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(130, 255, 181)` looks like.

```
.text, #text, p{  
    color:rgb(130, 255, 181)  
}
```

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(130, 255, 181) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(130, 255, 181) }
```

## Border

The CSS property to change the border of an element to Yxy 79.6020, 0.2818, 0.4208 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(130, 255, 181) }
```

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

```
.border{ border-color:rgb(130, 255, 181) }
```

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

Here you see how a box with a 4 pixel rgb(130, 255, 181) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(130, 255, 181); -webkit-box-  
shadow:4px 4px 4px 4px rgb(130, 255, 181);  
box-shadow:4px 4px 4px 4px rgb(130, 255,  
181) }
```



# Background

The CSS property to change the background color of an element to Yxy 79.6020, 0.2818, 0.4208 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(130, 255, 181) }
```

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

```
.background{ background-color: rgb(130,  
255, 181) }
```

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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