

# Converting Colors

$Yxy(78.6376, 0.2521, 0.3790)$

Have a look what the booklet for  
Yxy(78.6376, 0.2521, 0.3790)  
contains.

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# Color

**Yxy(78.6504, 0.2520, 0.3787)**

# Conversions

## Conversions Part 1

Format	Color
Hex	5BFFD7
RGB	91, 255, 215
RGB Percent	36%, 100%, 84%
CMY	0.6432, 0.0000, 0.1569
CMYK	0.64, 0.00, 0.16, 0.00
HSL	165°, 100%, 68%
HSV	165°, 64%, 100%
XYZ	52.3367, 78.6504, 76.6982
YIQ	201.4040, -84.9040, -47.2080

# Conversions

## Conversions Part 2

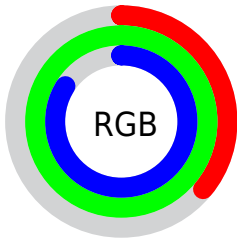
<b>Format</b>	<b>Color</b>
<b>RYB</b>	91, 184, 255
Decimal	6029271
CIELab	91.08, -51.71, 6.66
CIELCh	91, 52.142, 172.661
Yxy	78.6504, 0.2520, 0.3787
Android (android.graphics.Color)	4284219351 (0xFF5BFFD7)
YUV	201.4040, 6.7028, -96.8243
Hunter-Lab	88.6851, -49.8587, 10.8033

# Details

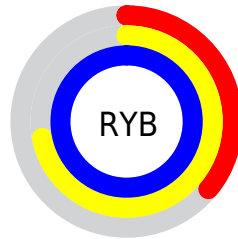
The Yxy color **78.6504, 0.2520, 0.3787** is a light color, and the websafe version is hex **66FFCC**. The color can be described as light muted cyan. A complement of this color would be **30.3793, 0.4709, 0.2915**, and the grayscale version is **58.6655, 0.3127, 0.3290**.

A 20% lighter version of the original color is **85.9081, 0.2592, 0.3288**, and **42.4706, 0.2417, 0.3902** is the 20% darker color. If you saturate the color by 10%, you get **77.2521, 0.2483, 0.3879**, and if you desaturate by 10%, it is **80.4979, 0.2577, 0.3697**.

# Distribution



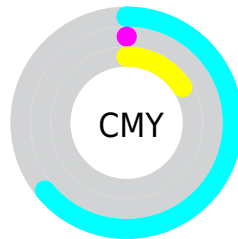
- Red (36%)
- Green (100%)
- Blue (84%)



- Red (36%)
- Yellow (72%)
- Blue (100%)



- Cyan (64%)
- Magenta (0%)
- Yellow (16%)
- Black (0%)



- Cyan (64%)
- Magenta (0%)
- Yellow (16%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 78.6504, 0.2520, 0.3787 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 78.6504, 0.2520, 0.3787 by changing the saturation by 10% instead.





 78.6504, 0.2520,  
0.3787


 78.6504, 0.2520,  
0.3787

490.3729, 0.2798,  
0.3555

 58.6084, 0.2457,  
0.3841

 131.4666, 0.2616,  
0.3706

 42.2980, 0.2380,  
0.3907


 165.0096, 0.2653,  
0.3675

 29.3347, 0.2284,  
0.3992


 203.8217, 0.2686,  
0.3648

 19.3342, 0.2159,  
0.4102

 248.2873, 0.2714,  
0.3624

 11.9120, 0.1992,  
0.4254

298.7908, 0.2739,  
0.3603

 6.6838, 0.1759,  
0.4473

355.7167, 0.2761,


 3.2651, 0.1416,


0.3585

0.4815


419.4492, 0.2781,  
0.3569

 1.2717, 0.0000,  
0.5939


 0.1191, 0.0000,  
1.0000


 78.6504, 0.2520,  
0.3787


 78.6504, 0.2520,  
0.3787


 77.2521, 0.2483,  
0.3879

 80.4979, 0.2577,  
0.3697


 76.2606, 0.2466,  
0.3971

 82.8394, 0.2652,  
0.3610

 75.6172, 0.2468,  
0.4062

 85.7092, 0.2742,  
0.3528

 75.3604, 0.2476,  
0.4114

 89.1396, 0.2844,  
0.3451

■ 93.1604, 0.2956,  
0.3381

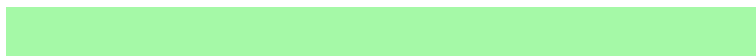
■ 97.7994, 0.3075,  
0.3316

100.0000, 0.3127,  
0.3290

# Harmonies

## Analogous

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



78.6504, 0.3068, 0.4280



78.6504, 0.2520, 0.3787



78.6504, 0.2157, 0.3157

# Triad

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



78.6504, 0.2520, 0.3787



78.6504, 0.2535, 0.2347



78.6504, 0.4347, 0.3749

# Complementary

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



78.6504, 0.2520, 0.3787



30.3793, 0.4709, 0.2915

# 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.



78.6504, 0.4195, 0.3278



78.6504, 0.2520, 0.3787



78.6504, 0.3091, 0.2513

# Square

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



78.6504, 0.2520, 0.3787



78.6504, 0.2170, 0.2384



78.6504, 0.3715, 0.2842



78.6504, 0.4137, 0.4169



# Rectangle

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



78.6504, 0.2520, 0.3787



78.6504, 0.2050, 0.2798



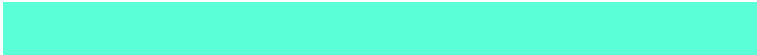
78.6504, 0.3715, 0.2842



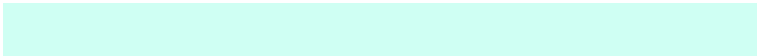
78.6504, 0.4339, 0.3593

# Sweetspot

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



78.6489, 0.2520, 0.3787



91.2025, 0.2903, 0.3413



77.1801, 0.3216, 0.5263



19.2791, 0.2871, 0.3433



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.



78.6489, 0.2520, 0.3787



76.9485, 0.2476, 0.3903



57.5354, 0.2240, 0.2777



20.4012, 0.3013, 0.3349



39.4023, 0.2472, 0.4098



3.8537, 0.2443, 0.3994



# Inverse Universe

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



30.3793, 0.4709, 0.2915



25.4044, 0.5213, 0.2916



38.5156, 0.4916, 0.3685



18.0597, 0.3256, 0.3232



11.3114, 0.5954, 0.3054

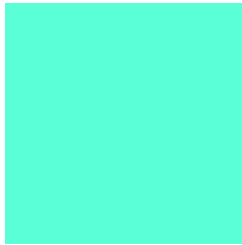


1.1177, 0.5641, 0.2881



# Previews

## White Background



This preview shows how the Yxy color 78.6504, 0.2520, 0.3787 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

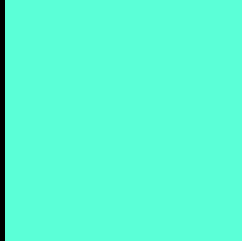
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 78.6504, 0.2520, 0.3787 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

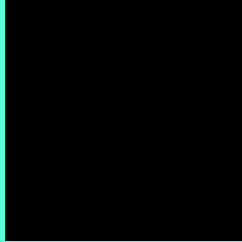
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 78.6504, 0.2520, 0.3787**

## **Background**



This preview shows how black text looks on a background with the Yxy color 78.6504, 0.2520, 0.3787.

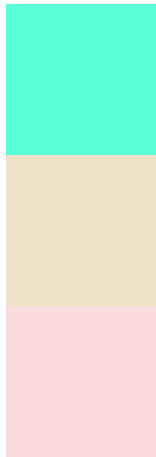


This preview shows how white text looks on a background with the Yxy color 78.6504, 0.2520, 0.3787.

# 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

78.6504, 0.2520, 0.3787

### Protanopia

77.2854, 0.3384, 0.3576

### Deuteranopia

77.0233, 0.3331, 0.3260



## Tritanopia

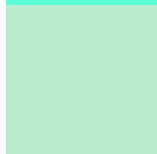
77.9171, 0.2597, 0.3132

# Trichromacy



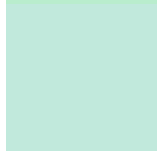
## Original Color

78.6504, 0.2520, 0.3787



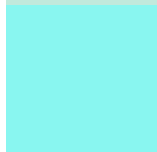
## Protanomaly

75.2904, 0.2981, 0.3661



## Deuteranomaly

74.7826, 0.2943, 0.3437



## Tritanomaly

77.5212, 0.2556, 0.3359

# Monochromacy



## Original Color

78.6504, 0.2520, 0.3787



## Achromatopsia

58.4078, 0.3127, 0.3290



## Achromatomaly

63.7462, 0.2818, 0.3476

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 78.6504, 0.2520, 0.3787 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(91, 255, 215)` looks like.

```
.text, #text, p{  
    color:rgb(91, 255, 215)  
}
```

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(91, 255, 215) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(91, 255, 215) }
```

## Border

The CSS property to change the border of an element to Yxy 78.6504, 0.2520, 0.3787 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(91, 255, 215) }
```

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

```
.border{ border-color:rgb(91, 255, 215) }
```

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

Here you see how a box with a 4 pixel `rgb(91, 255, 215)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(91, 255, 215); -webkit-box-  
shadow:4px 4px 4px 4px rgb(91, 255, 215);  
box-shadow:4px 4px 4px 4px rgb(91, 255,  
215) }
```



# Background

The CSS property to change the background color of an element to Yxy 78.6504, 0.2520, 0.3787 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(91, 255, 215) }
```

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

```
.background{ background-color: rgb(91, 255,  
215) }
```

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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