

Converting Colors

$Y_{xy}(78.7950, 0.2509, 0.3752)$

Have a look what the booklet for
Yxy(78.7950, 0.2509, 0.3752)
contains.

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Color

Yxy(78.8061, 0.2507, 0.3747)

Conversions

Conversions Part 1

Format	Color
Hex	5BFFDA
RGB	91, 255, 218
RGB Percent	36%, 100%, 85%
CMY	0.6434, 0.0000, 0.1450
CMYK	0.64, 0.00, 0.14, 0.00
HSL	166°, 100%, 68%
HSV	166°, 64%, 100%
XYZ	52.7267, 78.8061, 78.7851
YIQ	201.7460, -85.8670, -46.2750

Conversions

Conversions Part 2

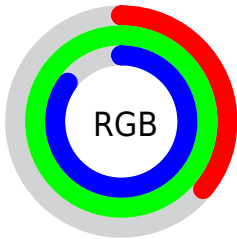
Format	Color
R_{YB}	91, 183, 255
Decimal	6029274
CIE _{Lab}	91.15, -51.00, 5.18
CIE _{LCh}	91, 51.266, 174.198
Yxy	78.8061, 0.2507, 0.3747
Android (android.graphics.Color)	4284219354 (0xFF5BFFDA)
YUV	201.7460, 8.0132, -97.1242
Hunter-Lab	88.7728, -49.3322, 9.5216

Details

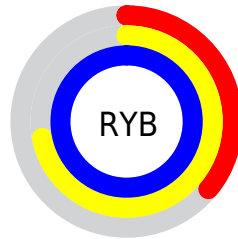
The Yxy color **78.8061, 0.2507, 0.3747** is a light color, and the websafe version is hex **66FFCC**. The color can be described as light muted cyan. A complement of this color would be **30.2845, 0.4753, 0.2946**, and the grayscale version is **58.8722, 0.3127, 0.3290**.

A 20% lighter version of the original color is **85.9081, 0.2592, 0.3288**, and **42.5768, 0.2403, 0.3849** is the 20% darker color. If you saturate the color by 10%, you get **77.4265, 0.2468, 0.3831**, and if you desaturate by 10%, it is **80.6319, 0.2565, 0.3665**.

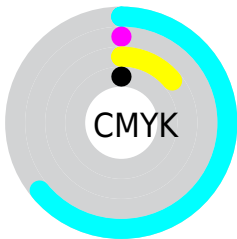
Distribution



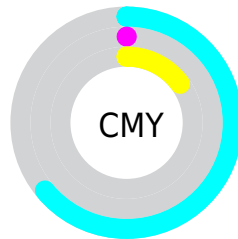
- Red (36%)
- Green (100%)
- Blue (85%)



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



- Cyan (64%)
- Magenta (0%)
- Yellow (14%)
- Black (0%)




- Cyan (64%)
- Magenta (0%)
- Yellow (15%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 78.8061, 0.2507, 0.3747 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 78.8061, 0.2507, 0.3747 by changing the saturation by 10% instead.


 78.8061, 0.2507,
0.3747

 78.8061, 0.2507,
0.3747


490.9001, 0.2790,
0.3535


 58.7364, 0.2443,
0.3796


 131.6859, 0.2604,
0.3673

 42.4010, 0.2366,
0.3856


 165.2647, 0.2643,
0.3644

 29.4154, 0.2268,
0.3932


 204.1154, 0.2675,
0.3620

 19.3953, 0.2142,
0.4032

 248.6223, 0.2704,
0.3598

 11.9562, 0.1975,
0.4167

299.1698, 0.2730,
0.3579

 6.7139, 0.1742,
0.4361


356.1424, 0.2752,


 3.2838, 0.1402,


0.3563


0.4660


419.9244, 0.2772,
0.3548


 1.2816, 0.0000,
0.5664


 0.1269, 0.0000,
1.0000


 78.8061, 0.2507,
0.3747

 78.8061, 0.2507,
0.3747


 77.4265, 0.2468,
0.3831


 80.6319, 0.2565,
0.3665


 76.4524, 0.2450,
0.3915


 82.9505, 0.2642,
0.3585

 75.8245, 0.2451,
0.3999

 85.7954, 0.2733,
0.3510

 75.5766, 0.2457,
0.4046

 89.1990, 0.2838,
0.3439

 93.1912, 0.2952,
0.3374

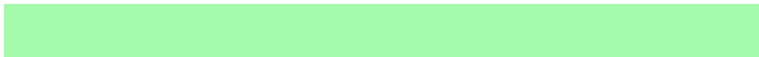
 97.7995, 0.3073,
0.3314

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.



78.8061, 0.3040, 0.4244



78.8061, 0.2507, 0.3747



78.8061, 0.2160, 0.3131

Triad

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



78.8061, 0.2507, 0.3747



78.8061, 0.2569, 0.2365



78.8061, 0.4324, 0.3767

Complementary

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



78.8061, 0.2507, 0.3747



30.2845, 0.4753, 0.2946

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.



78.8061, 0.4193, 0.3303



78.8061, 0.2507, 0.3747



78.8061, 0.3124, 0.2538

Square

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



78.8061, 0.2507, 0.3747



78.8061, 0.2197, 0.2392



78.8061, 0.3735, 0.2870



78.8061, 0.4102, 0.4174

Rectangle

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



78.8061, 0.2507, 0.3747



78.8061, 0.2063, 0.2784



78.8061, 0.3735, 0.2870



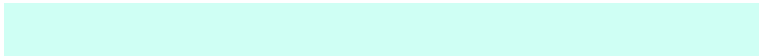
78.8061, 0.4322, 0.3614

Sweetspot

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



78.8040, 0.2507, 0.3747



91.2575, 0.2898, 0.3403



76.9574, 0.3202, 0.5273



19.2925, 0.2866, 0.3422



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.



78.8040, 0.2507, 0.3747



77.1305, 0.2462, 0.3853



56.1511, 0.2231, 0.2740



20.4073, 0.3010, 0.3344



39.5141, 0.2453, 0.4032



3.8637, 0.2427, 0.3937

Inverse Universe

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



30.2845, 0.4753, 0.2946



25.3290, 0.5267, 0.2950



39.2518, 0.4894, 0.3713



18.0541, 0.3259, 0.3237



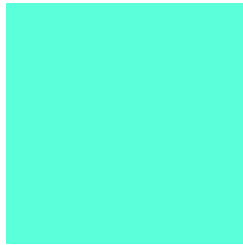
11.2839, 0.6010, 0.3084



1.1143, 0.5702, 0.2915

Previews

White Background



This preview shows how the Yxy color 78.8061, 0.2507, 0.3747 looks on a white background.

Color Contrast Check

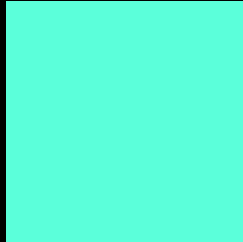
Large Text (above 18pt) WCAG AA × Fail

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 78.8061, 0.2507, 0.3747 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

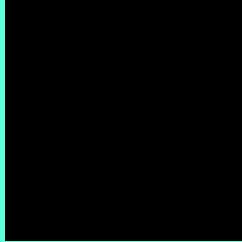
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 78.8061, 0.2507, 0.3747

Background



This preview shows how black text looks on a background with the Yxy color 78.8061, 0.2507, 0.3747.



This preview shows how white text looks on a background with the Yxy color 78.8061, 0.2507, 0.3747.

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

78.8061, 0.2507, 0.3747

Protanopia

77.2545, 0.3357, 0.3544

Deuteranopia

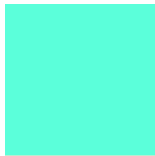
77.0014, 0.3303, 0.3230



Tritanopia

77.9171, 0.2597, 0.3132

Trichromacy



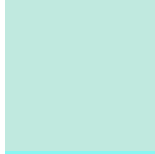
Original Color

78.8061, 0.2507, 0.3747



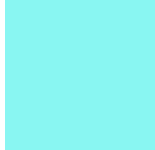
Protanomaly

75.3128, 0.2958, 0.3626



Deuteranomaly

74.8120, 0.2920, 0.3402



Tritanomaly

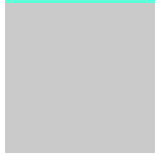
77.6407, 0.2547, 0.3335

Monochromacy



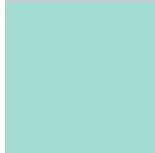
Original Color

78.8061, 0.2507, 0.3747



Achromatopsia

59.0619, 0.3127, 0.3290



Achromatomaly

63.9484, 0.2813, 0.3450

CSS Examples

Text

The CSS property to change the color of the text to Yxy 78.8061, 0.2507, 0.3747 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, 218)` looks like.

```
.text, #text, p{  
    color:rgb(91, 255, 218)  
}
```

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, 218) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(91, 255, 218) }
```

Border

The CSS property to change the border of an element to Yxy 78.8061, 0.2507, 0.3747 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, 218) }
```

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

```
.border{ border-color:rgb(91, 255, 218) }
```

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, 218)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(91, 255, 218); -webkit-box-  
shadow:4px 4px 4px 4px rgb(91, 255, 218);  
box-shadow:4px 4px 4px 4px rgb(91, 255,  
218) }
```


Background

The CSS property to change the background color of an element to Yxy 78.8061, 0.2507, 0.3747 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, 218) }
```

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

```
.background{ background-color: rgb(91, 255,  
218) }
```

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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