

Converting Colors

$Yxy(78.0565, 0.2477, 0.3774)$

Have a look what the booklet for
Yxy(78.0565, 0.2477, 0.3774)
contains.

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Color

Yxy(78.0556, 0.2479, 0.3778)

Conversions

Conversions Part 1

Format	Color
Hex	4DFFD8
RGB	77, 255, 216
RGB Percent	30%, 100%, 85%
CMY	0.6979, 0.0000, 0.1529
CMYK	0.70, 0.00, 0.15, 0.00
HSL	167°, 100%, 65%
HSV	167°, 70%, 100%
XYZ	51.2175, 78.0556, 77.3325
YIQ	197.3320, -93.5690, -49.8650

Conversions

Conversions Part 2

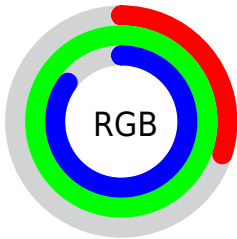
Format	Color
RYB	77, 177, 255
Decimal	5111768
CIELab	90.81, -53.49, 5.70
CIElCh	91, 53.794, 173.912
Yxy	78.0556, 0.2479, 0.3778
Android (android.graphics.Color)	4283301848 (0xFF4DFFD8)
YUV	197.3320, 9.2033, -105.5312
Hunter-Lab	88.3491, -51.1313, 9.9475

Details

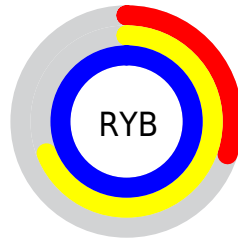
The Yxy color **78.0556, 0.2479, 0.3778** is a light color, and the websafe version is hex **66FFCC**. The color can be described as light washed cyan. A complement of this color would be **27.8363, 0.4989, 0.2951**, and the grayscale version is **56.0401, 0.3127, 0.3290**.

A 20% lighter version of the original color is **84.9430, 0.2549, 0.3288**, and **42.5057, 0.2412, 0.3884** is the 20% darker color. If you saturate the color by 10%, you get **76.9119, 0.2451, 0.3860**, and if you desaturate by 10%, it is **79.6288, 0.2527, 0.3697**.

Distribution



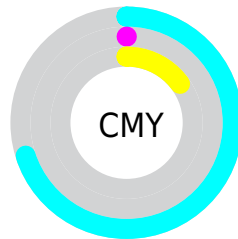
- Red (30%)
- Green (100%)
- Blue (85%)



- Red (30%)
- Yellow (69%)
- Blue (100%)



- Cyan (70%)
- Magenta (0%)
- Yellow (15%)
- Black (0%)




- Cyan (70%)
- Magenta (0%)
- Yellow (15%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 78.0556, 0.2479, 0.3778 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 78.0556, 0.2479, 0.3778 by changing the saturation by 10% instead.

 78.0556, 0.2479,
0.3778


 78.0556, 0.2479,
0.3778


488.3556, 0.2776,
0.3550

 58.1197, 0.2412,
0.3830


 130.6285, 0.2581,
0.3699

 41.9049, 0.2331,
0.3895

 164.0342, 0.2621,
0.3668

 29.0268, 0.2228,
0.3977


 202.6987, 0.2656,
0.3642

 19.1011, 0.2096,
0.4085

 247.0063, 0.2686,
0.3619

 11.7433, 0.1920,
0.4232

297.3414, 0.2712,
0.3598

 6.5692, 0.1676,
0.4442


354.0884, 0.2736,


 3.1942, 0.1320,


0.3581


0.4767


417.6316, 0.2757,
0.3565


 1.2339, 0.0000,
0.5773


 0.0891, 0.0000,
1.0000


 78.0556, 0.2479,
0.3778


 78.0556, 0.2479,
0.3778


 76.9119, 0.2451,
0.3860


 79.6288, 0.2527,
0.3697


 76.1396, 0.2443,
0.3941


 81.6687, 0.2594,
0.3618


 75.6581, 0.2451,
0.4022

 84.2155, 0.2679,
0.3543

 75.6490, 0.2451,
0.4024

 87.3032, 0.2777,
0.3472

 90.9630, 0.2887,
0.3405

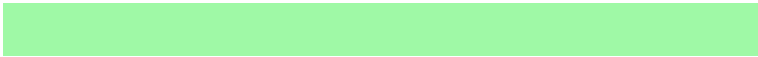
 95.2235, 0.3006,
0.3344

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.



78.0556, 0.3037, 0.4303



78.0556, 0.2479, 0.3778



78.0556, 0.2116, 0.3125

Triad

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



78.0556, 0.2479, 0.3778



78.0556, 0.2536, 0.2322



78.0556, 0.4386, 0.3779

Complementary

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



78.0556, 0.2479, 0.3778



27.8363, 0.4989, 0.2951

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.



78.0556, 0.4247, 0.3295



78.0556, 0.2479, 0.3778



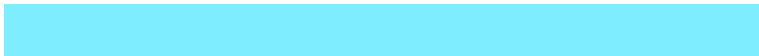
78.0556, 0.3116, 0.2501

Square

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



78.0556, 0.2479, 0.3778



78.0556, 0.2151, 0.2350



78.0556, 0.3760, 0.2845



78.0556, 0.4152, 0.4210

Rectangle

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



78.0556, 0.2479, 0.3778



78.0556, 0.2015, 0.2759



78.0556, 0.3760, 0.2845



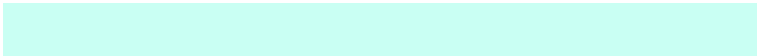
78.0556, 0.4383, 0.3619

Sweetspot

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



78.0577, 0.2479, 0.3778



90.4870, 0.2874, 0.3413



75.9480, 0.3191, 0.5427



19.1433, 0.2843, 0.3431



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.



78.0577, 0.2479, 0.3778



76.5443, 0.2445, 0.3894



53.6903, 0.2179, 0.2686



20.4093, 0.3009, 0.3343



39.5515, 0.2447, 0.4010



3.8670, 0.2422, 0.3918

Inverse Universe

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



27.8363, 0.4989, 0.2951



23.5324, 0.5561, 0.2989



36.3377, 0.5107, 0.3723



18.0522, 0.3260, 0.3238



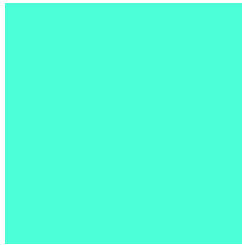
11.2753, 0.6028, 0.3094



1.1133, 0.5722, 0.2926

Previews

White Background



This preview shows how the Yxy color 78.0556, 0.2479, 0.3778 looks on a white background.

Color Contrast Check

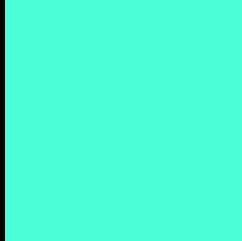
Large Text (above 18pt) WCAG AA × Fail

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 78.0556, 0.2479, 0.3778 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

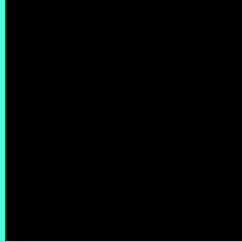
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 78.0556, 0.2479, 0.3778

Background



This preview shows how black text looks on a background with the Yxy color 78.0556, 0.2479, 0.3778.

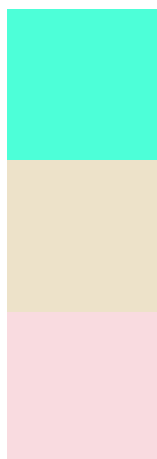


This preview shows how white text looks on a background with the Yxy color 78.0556, 0.2479, 0.3778.

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

78.0556, 0.2479, 0.3778

Protanopia

76.6143, 0.3372, 0.3555

Deuteranopia

76.1846, 0.3311, 0.3240



Tritanopia

77.2987, 0.2568, 0.3131

Trichromacy



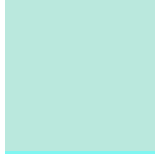
Original Color

78.0556, 0.2479, 0.3778



Protanomaly

74.6083, 0.2938, 0.3653



Deuteranomaly

73.3728, 0.2893, 0.3415



Tritanomaly

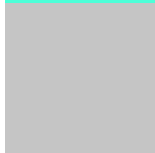
76.8516, 0.2515, 0.3347

Monochromacy



Original Color

78.0556, 0.2479, 0.3778



Achromatopsia

55.8340, 0.3127, 0.3290



Achromatomaly

61.2747, 0.2778, 0.3467

CSS Examples

Text

The CSS property to change the color of the text to Yxy 78.0556, 0.2479, 0.3778 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(77, 255, 216)` looks like.

```
.text, #text, p{  
    color:rgb(77, 255, 216)  
}
```

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(77, 255, 216) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(77, 255, 216) }
```

Border

The CSS property to change the border of an element to Yxy 78.0556, 0.2479, 0.3778 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(77, 255, 216) }
```

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

```
.border{ border-color:rgb(77, 255, 216) }
```

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

Here you see how a box with a 4 pixel rgb(77, 255, 216) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(77, 255, 216); -webkit-box-  
shadow:4px 4px 4px 4px rgb(77, 255, 216);  
box-shadow:4px 4px 4px 4px rgb(77, 255,  
216) }
```


Background

The CSS property to change the background color of an element to Yxy 78.0556, 0.2479, 0.3778 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(77, 255, 216) }
```

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

```
.background{ background-color: rgb(77, 255,  
216) }
```

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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