

Converting Colors

$Yxy(78.2653, 0.2498, 0.3789)$

Have a look what the booklet for
Yxy(78.2653, 0.2498, 0.3789)
contains.

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Color

Yxy(78.2653, 0.2498, 0.3789)

Conversions

Conversions Part 1

Format	Color
Hex	53FFD7
RGB	83, 255, 215
RGB Percent	33%, 100%, 84%
CMY	0.6743, 0.0000, 0.1567
CMYK	0.67, 0.00, 0.16, 0.00
HSL	166°, 100%, 66%
HSV	166°, 67%, 100%
XYZ	51.5985, 78.2653, 76.6954
YIQ	199.0120, -89.6720, -48.9040

Conversions

Conversions Part 2

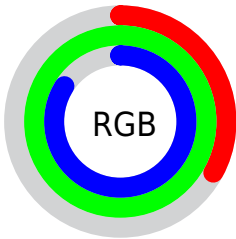
Format	Color
RYB	83, 180, 255
Decimal	5504983
CIELab	90.90, -52.90, 6.36
CIElCh	91, 53.277, 173.143
Yxy	78.2653, 0.2498, 0.3789
Android (android.graphics.Color)	4283695063 (0xFF53FFD7)
YUV	199.0120, 7.8821, -101.7425
Hunter-Lab	88.4677, -50.7089, 10.5270

Details

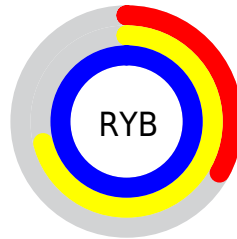
The Yxy color **78.2653, 0.2498, 0.3789** is a light color, and the websafe version is hex **66FFCC**. The color can be described as light muted cyan. A complement of this color would be **28.8842, 0.4860, 0.2930**, and the grayscale version is **57.1234, 0.3127, 0.3290**.

A 20% lighter version of the original color is **85.3193, 0.2566, 0.3288**, and **42.4706, 0.2417, 0.3902** is the 20% darker color. If you saturate the color by 10%, you get **77.0139, 0.2466, 0.3876**, and if you desaturate by 10%, it is **79.9601, 0.2550, 0.3703**.

Distribution



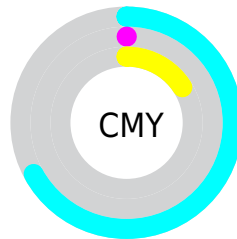
- Red (33%)
- Green (100%)
- Blue (84%)



- Red (33%)
- Yellow (71%)
- Blue (100%)



- Cyan (67%)
- Magenta (0%)
- Yellow (16%)
- Black (0%)




- Cyan (67%)
- Magenta (0%)
- Yellow (16%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 78.2653, 0.2498, 0.3789 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 78.2653, 0.2498, 0.3789 by changing the saturation by 10% instead.


 78.2653, 0.2498,
0.3789

 78.2653, 0.2498,
0.3789


489.0673, 0.2786,
0.3556


 58.2919, 0.2433,
0.3843


 130.9240, 0.2597,
0.3708

 42.0434, 0.2353,
0.3909


 164.3782, 0.2636,
0.3676

 29.1353, 0.2253,
0.3994


 203.0948, 0.2670,
0.3649

 19.1832, 0.2124,
0.4105

 247.4581, 0.2699,
0.3625

 11.8027, 0.1952,
0.4257

297.8527, 0.2725,
0.3605

 6.6095, 0.1712,
0.4476


354.6628, 0.2748,


 3.2191, 0.1361,


0.3587

0.4816


418.2729, 0.2768,
0.3570


 1.2472, 0.0000,
0.5893


 0.0997, 0.0000,
1.0000


 78.2653, 0.2498,
0.3789


 78.2653, 0.2498,
0.3789


 77.0139, 0.2466,
0.3876


 79.9601, 0.2550,
0.3703


 76.1473, 0.2454,
0.3963

 82.1313, 0.2620,
0.3620

 75.6042, 0.2461,
0.4050

 84.8188, 0.2707,
0.3540

 75.4924, 0.2464,
0.4072

 88.0562, 0.2807,
0.3466

■ 91.8737, 0.2918,
0.3397

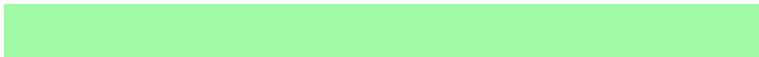
■ 96.2998, 0.3036,
0.3333

99.9994, 0.3127,
0.3290

Harmonies

Analogous

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



78.2653, 0.3055, 0.4300



78.2653, 0.2498, 0.3789



78.2653, 0.2132, 0.3143

Triad

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



78.2653, 0.2498, 0.3789



78.2653, 0.2529, 0.2329



78.2653, 0.4375, 0.3764

Complementary

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



78.2653, 0.2498, 0.3789



28.8842, 0.4860, 0.2930

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.



78.2653, 0.4226, 0.3284



78.2653, 0.2498, 0.3789



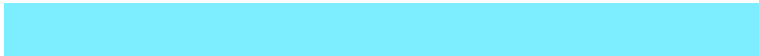
78.2653, 0.3100, 0.2501

Square

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



78.2653, 0.2498, 0.3789



78.2653, 0.2154, 0.2363



78.2653, 0.3738, 0.2839



78.2653, 0.4152, 0.4193

Rectangle

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



78.2653, 0.2498, 0.3789



78.2653, 0.2027, 0.2778



78.2653, 0.3738, 0.2839



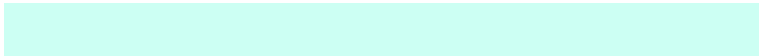
78.2653, 0.4368, 0.3605

Sweetspot

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



78.2684, 0.2498, 0.3789



90.8372, 0.2889, 0.3414



76.3681, 0.3196, 0.5362



19.2096, 0.2857, 0.3433



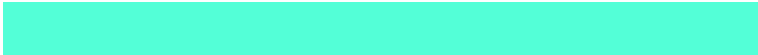
0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

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



78.2684, 0.2498, 0.3789



76.6638, 0.2460, 0.3907



54.7334, 0.2201, 0.2709



20.4050, 0.3011, 0.3346



39.4709, 0.2460, 0.4057



3.8598, 0.2433, 0.3959

Inverse Universe

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



28.8842, 0.4860, 0.2930



24.2640, 0.5405, 0.2951



37.5597, 0.5015, 0.3720



18.0562, 0.3258, 0.3235



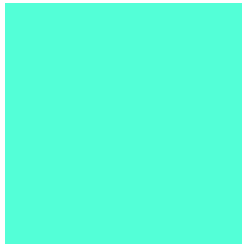
11.2941, 0.5989, 0.3073



1.1156, 0.5679, 0.2902

Previews

White Background



This preview shows how the Yxy color 78.2653, 0.2498, 0.3789 looks on a white background.

Color Contrast Check

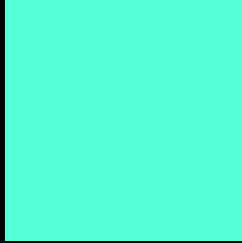
Large Text (above 18pt) WCAG AA × Fail

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 78.2653, 0.2498, 0.3789 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

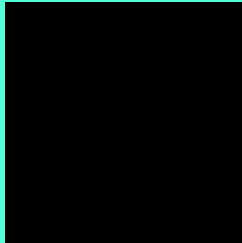
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 78.2653, 0.2498, 0.3789

Background



This preview shows how black text looks on a background with the Yxy color 78.2653, 0.2498, 0.3789.

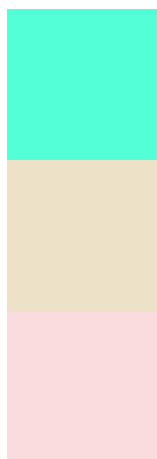


This preview shows how white text looks on a background with the Yxy color 78.2653, 0.2498, 0.3789.

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

78.2653, 0.2498, 0.3789

Protanopia

76.5674, 0.3379, 0.3566

Deuteranopia

76.8381, 0.3324, 0.3260



Tritanopia

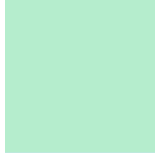
77.5015, 0.2578, 0.3131

Trichromacy



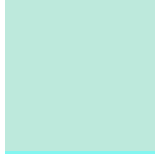
Original Color

78.2653, 0.2498, 0.3789



Protanomaly

74.7999, 0.2956, 0.3664



Deuteranomaly

74.2640, 0.2918, 0.3438



Tritanomaly

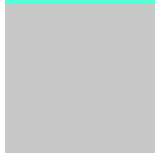
77.0281, 0.2531, 0.3359

Monochromacy



Original Color

78.2653, 0.2498, 0.3789



Achromatopsia

57.1125, 0.3127, 0.3290



Achromatomaly

62.2389, 0.2798, 0.3465

CSS Examples

Text

The CSS property to change the color of the text to Yxy 78.2653, 0.2498, 0.3789 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(83, 255, 215)` looks like.

```
.text, #text, p{  
    color:rgb(83, 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(83, 255, 215) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(83, 255, 215) }
```

Border

The CSS property to change the border of an element to Yxy 78.2653, 0.2498, 0.3789 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(83, 255, 215) }
```

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

```
.border{ border-color:rgb(83, 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(83, 255, 215)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(83, 255, 215); -webkit-box-  
shadow:4px 4px 4px 4px rgb(83, 255, 215);  
box-shadow:4px 4px 4px 4px rgb(83, 255,  
215) }
```


Background

The CSS property to change the background color of an element to Yxy 78.2653, 0.2498, 0.3789 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(83, 255, 215) }
```

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

```
.background{ background-color: rgb(83, 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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