

Converting Colors

$Y_{xy}(100.0000, 0.2571, 0.4118)$

Have a look what the booklet for
Yxy(100.0000, 0.2571, 0.4118)
contains.

Yxy(78.2201, 0.2495, 0.3790)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(78.2201, 0.2495, 0.3790)

Conversions

Conversions Part 1

Format	Color
Hex	52FFD7
RGB	82, 255, 215
RGB Percent	32%, 100%, 84%
CMY	0.6791, 0.0000, 0.1569
CMYK	0.68, 0.00, 0.16, 0.00
HSL	166°, 100%, 66%
HSV	166°, 68%, 100%
XYZ	51.4932, 78.2201, 76.6722
YIQ	198.7130, -90.2680, -49.1160

Conversions

Conversions Part 2

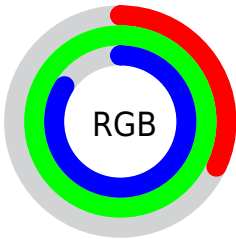
Format	Color
RYB	82, 180, 255
Decimal	5439447
CIELab	90.88, -53.08, 6.34
CIELCh	91, 53.463, 173.186
Yxy	78.2201, 0.2495, 0.3790
Android (android.graphics.Color)	4283629527 (0xFF52FFD7)
YUV	198.7130, 8.0295, -102.3573
Hunter-Lab	88.4421, -50.8466, 10.5098

Details

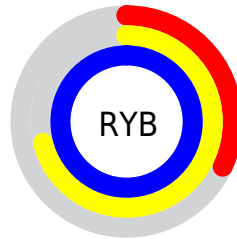
The Yxy color **78.2201, 0.2495, 0.3790** is a light color, and the websafe version is hex **66FFCC**. The color can be described as light muted cyan. A complement of this color would be **28.6685, 0.4883, 0.2932**, and the grayscale version is **56.8853, 0.3127, 0.3290**.

A 20% lighter version of the original color is **85.2240, 0.2562, 0.3288**, and **42.4706, 0.2417, 0.3902** is the 20% darker color. If you saturate the color by 10%, you get **76.9789, 0.2464, 0.3876**, and if you desaturate by 10%, it is **79.8803, 0.2546, 0.3704**.

Distribution



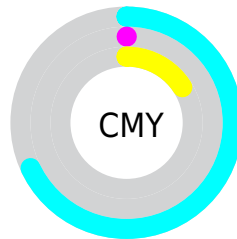
- Red (32%)
- Green (100%)
- Blue (84%)



- Red (32%)
- Yellow (71%)
- Blue (100%)



- Cyan (68%)
- Magenta (0%)
- Yellow (16%)
- Black (0%)





- Cyan (68%)
- Magenta (0%)
- Yellow (16%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 78.2201, 0.2495, 0.3790 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 78.2201, 0.2495, 0.3790 by changing the saturation by 10% instead.


 78.2201, 0.2495,
0.3790


 78.2201, 0.2495,
0.3790


488.9140, 0.2785,
0.3556

 58.2548, 0.2430,
0.3844


 130.8603, 0.2595,
0.3708

 42.0135, 0.2350,
0.3911


 164.3041, 0.2634,
0.3677

 29.1119, 0.2249,
0.3995


 203.0094, 0.2667,
0.3650

 19.1655, 0.2120,
0.4107

 247.3608, 0.2697,
0.3626

 11.7899, 0.1947,
0.4259

297.7425, 0.2723,
0.3605

 6.6008, 0.1706,
0.4478


354.5390, 0.2746,


 3.2137, 0.1353,


0.3587


0.4819


418.1347, 0.2766,
0.3571

 1.2443, 0.0000,
0.5891


 0.0974, 0.0000,
1.0000


 78.2201, 0.2495,
0.3790

 78.2201, 0.2495,
0.3790


 76.9789, 0.2464,
0.3876


 79.8803, 0.2546,
0.3704

 76.1308, 0.2453,
0.3963


 82.0259, 0.2616,
0.3622


 75.6007, 0.2460,
0.4049

 84.6861, 0.2702,
0.3543

 75.5101, 0.2463,
0.4066

 87.8943, 0.2801,
0.3468

 91.6813, 0.2912,
0.3399

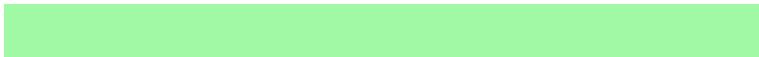
 96.0753, 0.3030,
0.3336

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.



78.2201, 0.3053, 0.4304



78.2201, 0.2495, 0.3790



78.2201, 0.2128, 0.3141

Triad

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



78.2201, 0.2495, 0.3790



78.2201, 0.2528, 0.2326



78.2201, 0.4379, 0.3766

Complementary

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



78.2201, 0.2495, 0.3790



28.6685, 0.4883, 0.2932

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.



78.2201, 0.4231, 0.3284



78.2201, 0.2495, 0.3790



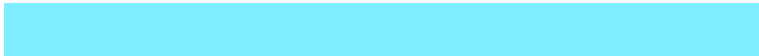
78.2201, 0.3100, 0.2499

Square

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



78.2201, 0.2495, 0.3790



78.2201, 0.2151, 0.2359



78.2201, 0.3742, 0.2838



78.2201, 0.4155, 0.4196

Rectangle

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



78.2201, 0.2495, 0.3790



78.2201, 0.2023, 0.2775



78.2201, 0.3742, 0.2838



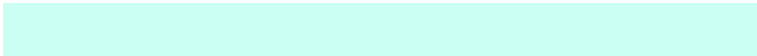
78.2201, 0.4373, 0.3606

Sweetspot

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



78.2121, 0.2495, 0.3790



90.8417, 0.2888, 0.3413



76.2809, 0.3195, 0.5376



19.2107, 0.2857, 0.3432



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.



78.2121, 0.2495, 0.3790



76.6786, 0.2459, 0.3903



54.5181, 0.2196, 0.2704



20.4055, 0.3011, 0.3345



39.4797, 0.2459, 0.4052



3.8606, 0.2432, 0.3954

Inverse Universe

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



28.6685, 0.4883, 0.2932



24.2584, 0.5410, 0.2953



37.3055, 0.5034, 0.3721



18.0558, 0.3258, 0.3235



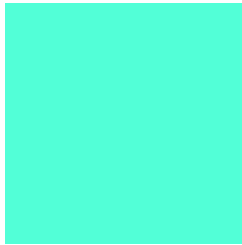
11.2920, 0.5993, 0.3075



1.1153, 0.5684, 0.2905

Previews

White Background



This preview shows how the Yxy color 78.2201, 0.2495, 0.3790 looks on a white background.

Color Contrast Check

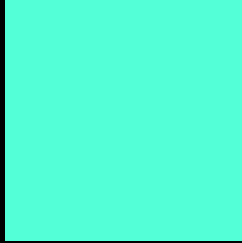
Large Text (above 18pt) WCAG AA × Fail

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 78.2201, 0.2495, 0.3790 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

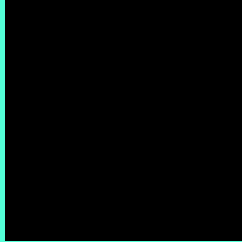
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

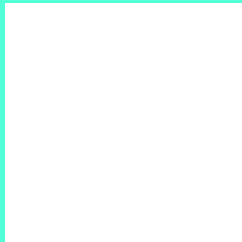
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 78.2201, 0.2495, 0.3790

Background



This preview shows how black text looks on a background with the Yxy color 78.2201, 0.2495, 0.3790.



This preview shows how white text looks on a background with the Yxy color 78.2201, 0.2495, 0.3790.

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

78.2201, 0.2495, 0.3790

Protanopia

76.5674, 0.3379, 0.3566

Deuteranopia

76.3147, 0.3325, 0.3250



Tritanopia

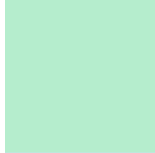
77.5015, 0.2578, 0.3131

Trichromacy



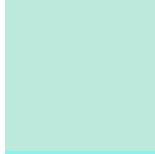
Original Color

78.2201, 0.2495, 0.3790



Protanomaly

74.7999, 0.2956, 0.3664



Deuteranomaly

73.6993, 0.2918, 0.3426



Tritanomaly

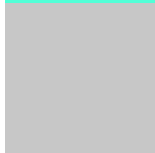
77.0281, 0.2531, 0.3359

Monochromacy



Original Color

78.2201, 0.2495, 0.3790



Achromatopsia

57.1125, 0.3127, 0.3290



Achromatomaly

62.1387, 0.2792, 0.3465

CSS Examples

Text

The CSS property to change the color of the text to Yxy 78.2201, 0.2495, 0.3790 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(82, 255, 215)` looks like.

```
.text, #text, p{  
    color:rgb(82, 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(82, 255, 215) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(82, 255, 215) }
```

Border

The CSS property to change the border of an element to Yxy 78.2201, 0.2495, 0.3790 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(82, 255, 215) }
```

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

```
.border{ border-color:rgb(82, 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(82, 255, 215)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(82, 255, 215); -webkit-box-  
shadow:4px 4px 4px 4px rgb(82, 255, 215);  
box-shadow:4px 4px 4px 4px rgb(82, 255,  
215) }
```


Background

The CSS property to change the background color of an element to Yxy 78.2201, 0.2495, 0.3790 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(82, 255, 215) }
```

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

```
.background{ background-color: rgb(82, 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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