

Converting Colors

$Yxy(78.9177, 0.2541, 0.3796)$

Have a look what the booklet for
Yxy(78.9177, 0.2541, 0.3796)
contains.

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Color

Yxy(78.9164, 0.2542, 0.3798)

Conversions

Conversions Part 1

Format	Color
Hex	61FFD6
RGB	97, 255, 214
RGB Percent	38%, 100%, 84%
CMY	0.6199, 0.0000, 0.1609
CMYK	0.62, 0.00, 0.16, 0.00
HSL	164°, 100%, 69%
HSV	164°, 62%, 100%
XYZ	52.8187, 78.9164, 76.0490
YIQ	203.0840, -81.0070, -46.2470

Conversions

Conversions Part 2

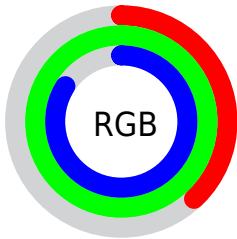
Format	Color
RYB	97, 188, 255
Decimal	6422486
CIELab	91.20, -50.98, 7.37
CIELCh	91, 51.510, 171.772
Yxy	78.9164, 0.2542, 0.3798
Android (android.graphics.Color)	4284612566 (0xFF61FFD6)
YUV	203.0840, 5.3816, -93.0357
Hunter-Lab	88.8349, -49.3300, 11.4280

Details

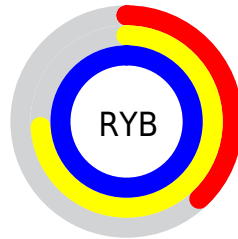
The Yxy color **78.9164, 0.2542, 0.3798** is a light color, and the websafe version is hex **66FFCC**. A complement of this color would be **31.6303, 0.4587, 0.2896**, and the grayscale version is **59.7642, 0.3127, 0.3290**.

A 20% lighter version of the original color is **86.3171, 0.2610, 0.3288**, and **42.4357, 0.2422, 0.3919** is the 20% darker color. If you saturate the color by 10%, you get **77.3984, 0.2501, 0.3896**, and if you desaturate by 10%, it is **80.8879, 0.2602, 0.3702**.

Distribution



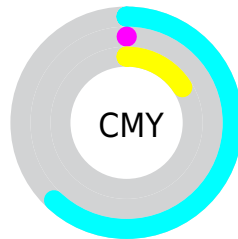
- Red (38%)
- Green (100%)
- Blue (84%)



- Red (38%)
- Yellow (74%)
- Blue (100%)



- Cyan (62%)
- Magenta (0%)
- Yellow (16%)
- Black (0%)





- Cyan (62%)
- Magenta (0%)
- Yellow (16%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 78.9164, 0.2542, 0.3798 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 78.9164, 0.2542, 0.3798 by changing the saturation by 10% instead.


 78.9164, 0.2542,
0.3798

 78.9164, 0.2542,
0.3798


491.2735, 0.2811,
0.3560


 58.8271, 0.2481,
0.3853


 131.8412, 0.2635,
0.3715

 42.4739, 0.2407,
0.3921


 165.4454, 0.2671,
0.3683

 29.4726, 0.2313,
0.4008


 204.3234, 0.2702,
0.3655

 19.4386, 0.2192,
0.4123

248.8595, 0.2729,
0.3631

 11.9876, 0.2030,
0.4279

299.4382, 0.2753,
0.3610

 6.7353, 0.1803,
0.4507


356.4438, 0.2775,


 3.2971, 0.1466,


0.3591


0.4863

420.2608, 0.2794,
0.3575


 1.2887, 0.0000,
0.6070


 0.1325, 0.0000,
1.0000


 78.9164, 0.2542,
0.3798

 78.9164, 0.2542,
0.3798


 77.3984, 0.2501,
0.3896


 80.8879, 0.2602,
0.3702


 76.3040, 0.2481,
0.3994


 83.3672, 0.2679,
0.3611

 75.5738, 0.2481,
0.4092

 86.3842, 0.2771,
0.3524

 75.1862, 0.2492,
0.4170

 89.9706, 0.2874,
0.3444

 94.1557, 0.2986,
0.3370

 98.9668, 0.3103,
0.3303

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.



78.9164, 0.3087, 0.4275



78.9164, 0.2542, 0.3798



78.9164, 0.2176, 0.3177

Triad

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



78.9164, 0.2542, 0.3798



78.9164, 0.2528, 0.2356



78.9164, 0.4332, 0.3732

Complementary

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



78.9164, 0.2542, 0.3798



31.6303, 0.4587, 0.2896

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.



78.9164, 0.4171, 0.3266



78.9164, 0.2542, 0.3798



78.9164, 0.3074, 0.2514

Square

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



78.9164, 0.2542, 0.3798



78.9164, 0.2174, 0.2400



78.9164, 0.3690, 0.2837



78.9164, 0.4135, 0.4149

Rectangle

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



78.9164, 0.2542, 0.3798



78.9164, 0.2065, 0.2819



78.9164, 0.3690, 0.2837



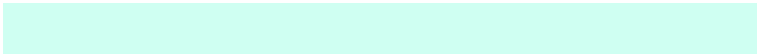
78.9164, 0.4320, 0.3577

Sweetspot

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



78.9114, 0.2542, 0.3798



91.1571, 0.2907, 0.3421



77.8779, 0.3234, 0.5184



19.2680, 0.2876, 0.3443



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.



78.9114, 0.2542, 0.3798



77.1462, 0.2496, 0.3916



59.9612, 0.2271, 0.2833



20.3962, 0.3015, 0.3352



39.3121, 0.2487, 0.4154



3.8455, 0.2456, 0.4043

Inverse Universe

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



31.6303, 0.4587, 0.2896



26.4357, 0.5050, 0.2882



39.1205, 0.4844, 0.3652



18.0645, 0.3253, 0.3229



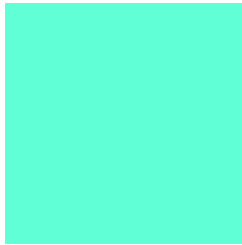
11.3360, 0.5905, 0.3027



1.1207, 0.5589, 0.2852

Previews

White Background



This preview shows how the Yxy color 78.9164, 0.2542, 0.3798 looks on a white background.

Color Contrast Check

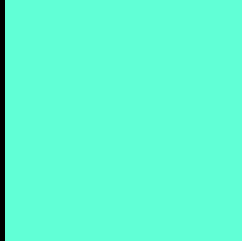
Large Text (above 18pt) WCAG AA × Fail

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 78.9164, 0.2542, 0.3798 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 78.9164, 0.2542, 0.3798

Background



This preview shows how black text looks on a background with the Yxy color 78.9164, 0.2542, 0.3798.



This preview shows how white text looks on a background with the Yxy color 78.9164, 0.2542, 0.3798.

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

78.9164, 0.2542, 0.3798

Protanopia

77.4124, 0.3399, 0.3586

Deuteranopia

77.1023, 0.3352, 0.3281



Tritanopia

78.1299, 0.2607, 0.3133

Trichromacy



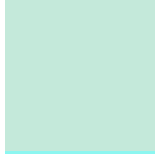
Original Color

78.9164, 0.2542, 0.3798



Protanomaly

75.4928, 0.3000, 0.3672



Deuteranomaly

75.0755, 0.2974, 0.3459



Tritanomaly

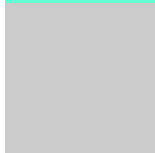
77.7783, 0.2569, 0.3358

Monochromacy



Original Color

78.9164, 0.2542, 0.3798



Achromatopsia

59.7202, 0.3127, 0.3290



Achromatomaly

64.6401, 0.2832, 0.3474

CSS Examples

Text

The CSS property to change the color of the text to Yxy 78.9164, 0.2542, 0.3798 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(97, 255, 214)` looks like.

```
.text, #text, p{  
    color:rgb(97, 255, 214)  
}
```

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(97, 255, 214) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(97, 255, 214) }
```

Border

The CSS property to change the border of an element to Yxy 78.9164, 0.2542, 0.3798 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(97, 255, 214) }
```

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

```
.border{ border-color:rgb(97, 255, 214) }
```

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

Here you see how a box with a 4 pixel `rgb(97, 255, 214)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(97, 255, 214); -webkit-box-  
shadow:4px 4px 4px 4px rgb(97, 255, 214);  
box-shadow:4px 4px 4px 4px rgb(97, 255,  
214) }
```


Background

The CSS property to change the background color of an element to Yxy 78.9164, 0.2542, 0.3798 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(97, 255, 214) }
```

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

```
.background{ background-color: rgb(97, 255,  
214) }
```

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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