

Converting Colors

$Yxy(80.5947, 0.2612, 0.3748)$

Have a look what the booklet for
Yxy(80.5947, 0.2612, 0.3748)
contains.

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Color

Yxy(80.5947, 0.2612, 0.3748)

Conversions

Conversions Part 1

Format	Color
Hex	79FFD9
RGB	121, 255, 217
RGB Percent	47%, 100%, 85%
CMY	0.5258, 0.0000, 0.1488
CMYK	0.53, 0.00, 0.15, 0.00
HSL	163°, 100%, 74%
HSV	163°, 53%, 100%
XYZ	56.1669, 80.5947, 78.2723
YIQ	210.6020, -67.6660, -40.2260

Conversions

Conversions Part 2

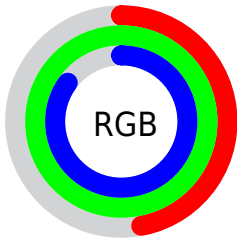
Format	Color
RYB	121, 199, 255
Decimal	7995353
CIELab	91.95, -45.72, 6.96
CIElCh	92, 46.251, 171.344
Yxy	80.5947, 0.2612, 0.3748
Android (android.graphics.Color)	4286185433 (0xFF79FFD9)
YUV	210.6020, 3.1542, -78.5810
Hunter-Lab	89.7746, -45.4281, 11.1486

Details

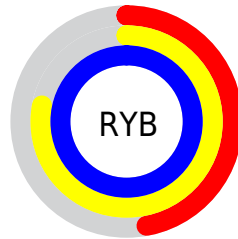
The Yxy color **80.5947, 0.2612, 0.3748** is a light color, and the websafe version is hex **66FFCC**. A complement of this color would be **37.4178, 0.4216, 0.2904**, and the grayscale version is **64.8666, 0.3127, 0.3290**.

A 20% lighter version of the original color is **88.5638, 0.2706, 0.3289**, and **43.8090, 0.2498, 0.3868** is the 20% darker color. If you saturate the color by 10%, you get **78.6208, 0.2555, 0.3853**, and if you desaturate by 10%, it is **83.0670, 0.2686, 0.3647**.

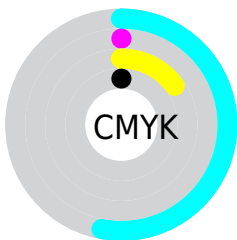
Distribution



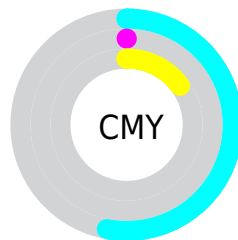
- Red (47%)
- Green (100%)
- Blue (85%)



- Red (47%)
- Yellow (78%)
- Blue (100%)



- Cyan (53%)
- Magenta (0%)
- Yellow (15%)
- Black (0%)



- Cyan (53%)
- Magenta (0%)
- Yellow (15%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 80.5947, 0.2612, 0.3748 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 80.5947, 0.2612, 0.3748 by changing the saturation by 10% instead.

 80.5947, 0.2612,
0.3748


 80.5947, 0.2612,
0.3748


496.9348, 0.2848,
0.3534

 60.2079, 0.2559,
0.3797


 134.2015, 0.2693,
0.3674

 43.5862, 0.2494,
0.3858


 168.1903, 0.2725,
0.3645

 30.3453, 0.2412,
0.3935


 207.4818, 0.2752,
0.3620

 20.1008, 0.2306,
0.4037

252.4605, 0.2776,
0.3598

 12.4684, 0.2164,
0.4175

303.5108, 0.2797,
0.3579

 7.0635, 0.1964,
0.4376


361.0170, 0.2816,


 3.5018, 0.1667,

0.3563

0.4689


425.3635, 0.2833,
0.3548

 1.3990, 0.0567,
0.5609


 0.2160, 0.0000,
1.0000


 80.5947, 0.2612,
0.3748


 80.5947, 0.2612,
0.3748


 78.6208, 0.2555,
0.3853


 83.0670, 0.2686,
0.3647


 77.1128, 0.2518,
0.3961


 86.0801, 0.2775,
0.3552


 76.0229, 0.2501,
0.4070

 89.6634, 0.2875,
0.3463

 75.2960, 0.2503,
0.4177

 93.8464, 0.2983,
0.3382

 74.9311, 0.2516,
0.4256

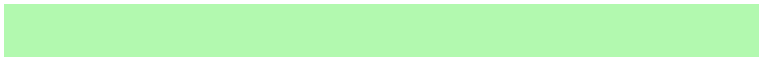
 98.6566, 0.3097,
0.3308

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.



80.5947, 0.3105, 0.4163



80.5947, 0.2612, 0.3748



80.5947, 0.2275, 0.3203

Triad

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



80.5947, 0.2612, 0.3748



80.5947, 0.2585, 0.2445



80.5947, 0.4204, 0.3692

Complementary

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



80.5947, 0.2612, 0.3748



37.4178, 0.4216, 0.2904

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.



80.5947, 0.4053, 0.3269



80.5947, 0.2612, 0.3748



80.5947, 0.3075, 0.2585

Square

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



80.5947, 0.2612, 0.3748



80.5947, 0.2264, 0.2492



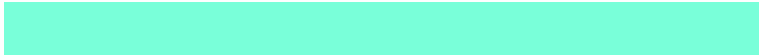
80.5947, 0.3624, 0.2878



80.5947, 0.4038, 0.4063

Rectangle

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



80.5947, 0.2612, 0.3748



80.5947, 0.2170, 0.2881



80.5947, 0.3624, 0.2878



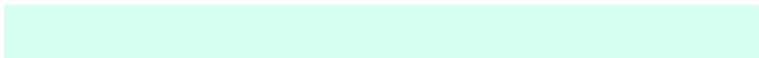
80.5947, 0.4190, 0.3552

Sweetspot

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



80.5923, 0.2612, 0.3748



92.3445, 0.2945, 0.3409



80.2615, 0.3252, 0.4879



19.5798, 0.2923, 0.3425



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.



80.5923, 0.2612, 0.3748



78.5476, 0.2553, 0.3858



65.6469, 0.2379, 0.2941



20.3886, 0.3018, 0.3358



39.1800, 0.2511, 0.4239



3.8336, 0.2477, 0.4116

Inverse Universe

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



37.4178, 0.4216, 0.2904



31.2162, 0.4572, 0.2855



44.4455, 0.4492, 0.3591



18.0716, 0.3250, 0.3223



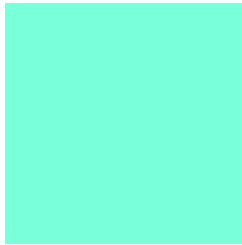
11.3765, 0.5827, 0.2984



1.1255, 0.5508, 0.2808

Previews

White Background



This preview shows how the Yxy color 80.5947, 0.2612, 0.3748 looks on a white background.

Color Contrast Check

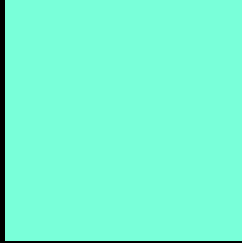
Large Text (above 18pt) WCAG AA × Fail

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 80.5947, 0.2612, 0.3748 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

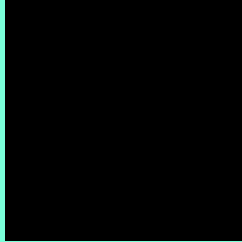
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 80.5947, 0.2612, 0.3748

Background



This preview shows how black text looks on a background with the Yxy color 80.5947, 0.2612, 0.3748.



This preview shows how white text looks on a background with the Yxy color 80.5947, 0.2612, 0.3748.

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

80.5947, 0.2612, 0.3748

Protanopia

79.6540, 0.3375, 0.3562

Deuteranopia

79.4172, 0.3349, 0.3281



Tritanopia

80.1892, 0.2675, 0.3147

Trichromacy



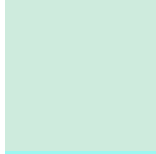
Original Color

80.5947, 0.2612, 0.3748



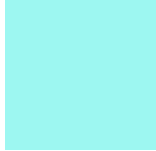
Protanomaly

78.2068, 0.3034, 0.3628



Deuteranomaly

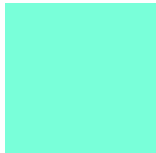
77.7589, 0.3021, 0.3444



Tritanomaly

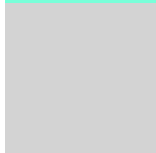
80.0405, 0.2644, 0.3357

Monochromacy



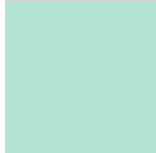
Original Color

80.5947, 0.2612, 0.3748



Achromatopsia

65.1406, 0.3127, 0.3290



Achromatomaly

69.2072, 0.2888, 0.3455

CSS Examples

Text

The CSS property to change the color of the text to Yxy 80.5947, 0.2612, 0.3748 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(121, 255, 217)` looks like.

```
.text, #text, p{  
    color:rgb(121, 255, 217)  
}
```

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(121, 255, 217) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(121, 255, 217) }
```

Border

The CSS property to change the border of an element to Yxy 80.5947, 0.2612, 0.3748 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(121, 255, 217) }
```

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

```
.border{ border-color:rgb(121, 255, 217) }
```

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

Here you see how a box with a 4 pixel rgb(121, 255, 217) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(121, 255, 217); -webkit-box-  
shadow:4px 4px 4px 4px rgb(121, 255, 217);  
box-shadow:4px 4px 4px 4px rgb(121, 255,  
217) }
```


Background

The CSS property to change the background color of an element to Yxy 80.5947, 0.2612, 0.3748 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(121, 255, 217) }
```

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

```
.background{ background-color: rgb(121,  
255, 217) }
```

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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