

Converting Colors

$Yxy(80.1302, 0.2728, 0.3994)$

Have a look what the booklet for
Yxy(80.1302, 0.2728, 0.3994)
contains.

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Color

Yxy(80.1092, 0.2724, 0.3989)

Conversions

Conversions Part 1

Format	Color
Hex	7FFFC6
RGB	127, 255, 198
RGB Percent	50%, 100%, 78%
CMY	0.5020, 0.0000, 0.2235
CMYK	0.50, 0.00, 0.22, 0.00
HSL	153°, 100%, 75%
HSV	153°, 50%, 100%
XYZ	54.7048, 80.1092, 66.0113
YIQ	210.2300, -57.9910, -44.8630

Conversions

Conversions Part 2

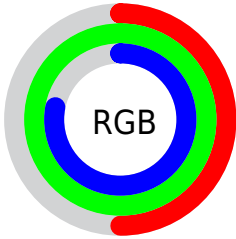
Format	Color
RYB	127, 209, 255
Decimal	8388550
CIELab	91.73, -48.46, 16.48
CIELCh	92, 51.185, 161.221
Yxy	80.1092, 0.2724, 0.3989
Android (android.graphics.Color)	4286578630 (0xFF7FFFC6)
YUV	210.2300, -6.0294, -72.9927
Hunter-Lab	89.5037, -47.5321, 18.9248

Details

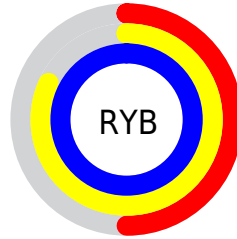
The Yxy color **80.1092, 0.2724, 0.3989** is a light color, and the websafe version is hex **66FFCC**. A complement of this color would be **39.8958, 0.3900, 0.2707**, and the grayscale version is **64.6748, 0.3127, 0.3290**.

A 20% lighter version of the original color is **89.1791, 0.2731, 0.3289**, and **43.0361, 0.2622, 0.4162** is the 20% darker color. If you saturate the color by 10%, you get **77.8883, 0.2677, 0.4160**, and if you desaturate by 10%, it is **82.8642, 0.2787, 0.3826**.

Distribution



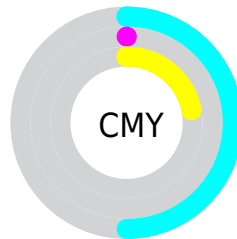
- Red (50%)
- Green (100%)
- Blue (78%)



- Red (50%)
- Yellow (82%)
- Blue (100%)



- Cyan (50%)
- Magenta (0%)
- Yellow (22%)
- Black (0%)





- Cyan (50%)
- Magenta (0%)
- Yellow (22%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 80.1092, 0.2724, 0.3989 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 80.1092, 0.2724, 0.3989 by changing the saturation by 10% instead.


 80.1092, 0.2724,
0.3989

 80.1092, 0.2724,
0.3989


495.3008, 0.2915,
0.3655


 59.8082, 0.2680,
0.4068


 133.5193, 0.2791,
0.3871

 43.2641, 0.2624,
0.4166


 167.3971, 0.2817,
0.3826

 30.0924, 0.2554,
0.4293

 206.5694, 0.2839,
0.3787

 19.9087, 0.2460,
0.4462

251.4205, 0.2858,
0.3754

 12.3287, 0.2331,
0.4697

302.3347, 0.2875,
0.3724

 6.9679, 0.2143,
0.5046


359.6966, 0.2890,


 3.4421, 0.1845,


0.3699


0.5611


423.8905, 0.2903,
0.3676


 1.3666, 0.0307,
0.8131


 0.1919, 0.0000,
1.0000


 80.1092, 0.2724,
0.3989


 80.1092, 0.2724,
0.3989


 77.8883, 0.2677,
0.4160


 82.8642, 0.2787,
0.3826

 76.1633, 0.2648,
0.4336

 86.1891, 0.2861,
0.3673

 74.8893, 0.2639,
0.4513

 90.1154, 0.2944,
0.3533

 74.0134, 0.2652,
0.4686

 94.6728, 0.3033,
0.3406

■ 73.4574, 0.2680,
0.4849

99.8887, 0.3125,
0.3292

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.



80.1092, 0.3295, 0.4347



80.1092, 0.2724, 0.3989



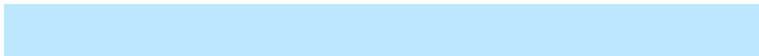
80.1092, 0.2287, 0.3392

Triad

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



80.1092, 0.2724, 0.3989



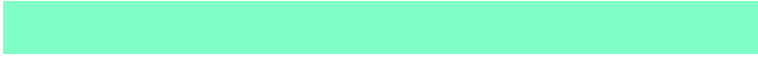
80.1092, 0.2386, 0.2356



80.1092, 0.4305, 0.3566

Complementary

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



80.1092, 0.2724, 0.3989



39.8958, 0.3900, 0.2707

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.



80.1092, 0.4021, 0.3109



80.1092, 0.2724, 0.3989



80.1092, 0.2869, 0.2446

Square

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



80.1092, 0.2724, 0.3989



80.1092, 0.2113, 0.2478



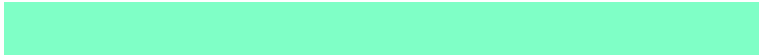
80.1092, 0.3474, 0.2714



80.1092, 0.4230, 0.4008

Rectangle

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



80.1092, 0.2724, 0.3989



80.1092, 0.2120, 0.3002



80.1092, 0.3474, 0.2714



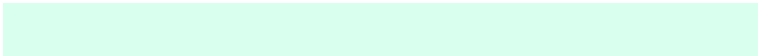
80.1092, 0.4249, 0.3412

Sweetspot

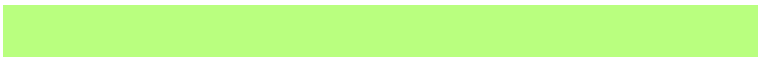
The Sweet Spot groups the original color and five complimentary colors.



80.1090, 0.2724, 0.3989



92.4048, 0.2990, 0.3466



83.3159, 0.3384, 0.4738



19.5753, 0.2972, 0.3493



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.



80.1090, 0.2724, 0.3989



77.9278, 0.2678, 0.4157



79.2352, 0.2457, 0.3214



20.3369, 0.3040, 0.3398



38.4136, 0.2673, 0.4822



3.7622, 0.2620, 0.4631

Inverse Universe

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



39.8958, 0.3900, 0.2707



33.6693, 0.4138, 0.2616



39.6741, 0.4531, 0.3359



18.1215, 0.3224, 0.3185



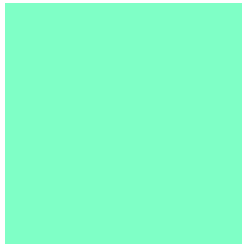
11.7669, 0.5197, 0.2636



1.1673, 0.4914, 0.2481

Previews

White Background



This preview shows how the Yxy color 80.1092, 0.2724, 0.3989 looks on a white background.

Color Contrast Check

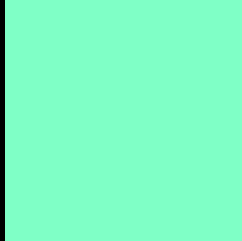
Large Text (above 18pt) WCAG AA × Fail

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 80.1092, 0.2724, 0.3989 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

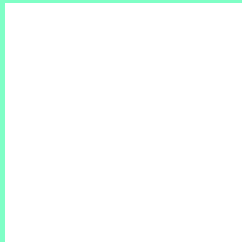
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 80.1092, 0.2724, 0.3989

Background



This preview shows how black text looks on a background with the Yxy color 80.1092, 0.2724, 0.3989.

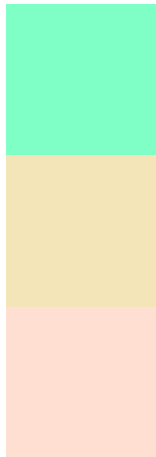


This preview shows how white text looks on a background with the Yxy color 80.1092, 0.2724, 0.3989.

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

80.1092, 0.2724, 0.3989

Protanopia

78.7745, 0.3527, 0.3750

Deuteranopia

78.6885, 0.3447, 0.3422



Tritanopia

79.5956, 0.2673, 0.3135

Trichromacy



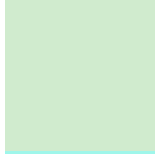
Original Color

80.1092, 0.2724, 0.3989



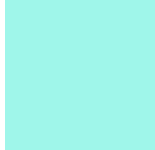
Protanomaly

77.2843, 0.3174, 0.3835



Deuteranomaly

77.2828, 0.3125, 0.3613



Tritanomaly

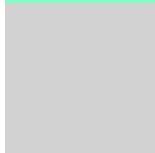
79.2230, 0.2686, 0.3427

Monochromacy



Original Color

80.1092, 0.2724, 0.3989



Achromatopsia

64.4480, 0.3127, 0.3290



Achromatomaly

68.5522, 0.2941, 0.3528

CSS Examples

Text

The CSS property to change the color of the text to Yxy 80.1092, 0.2724, 0.3989 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(127, 255, 198)` looks like.

```
.text, #text, p{  
    color:rgb(127, 255, 198)  
}
```

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(127, 255, 198) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(127, 255, 198) }
```

Border

The CSS property to change the border of an element to Yxy 80.1092, 0.2724, 0.3989 is called "border". The border property can be set on classes, ids or directly on the HTML element.

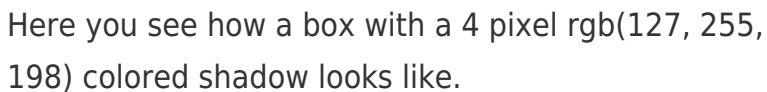
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(127, 255, 198) }
```

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

```
.border{ border-color:rgb(127, 255, 198) }
```

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



Here you see how a box with a 4 pixel `rgb(127, 255, 198)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(127, 255, 198); -webkit-box-  
shadow:4px 4px 4px 4px rgb(127, 255, 198);  
box-shadow:4px 4px 4px 4px rgb(127, 255,  
198) }
```


Background

The CSS property to change the background color of an element to Yxy 80.1092, 0.2724, 0.3989 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(127, 255, 198) }
```

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

```
.background{ background-color: rgb(127,  
255, 198) }
```

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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