

Converting Colors

$Y_{xy}(80.2798, 0.2604, 0.3697)$

Have a look what the booklet for
Yxy(80.2798, 0.2604, 0.3697)
contains.

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Color

Yxy(80.2619, 0.2605, 0.3698)

Conversions

Conversions Part 1

Format	Color
Hex	7BFEDC
RGB	123, 254, 220
RGB Percent	48%, 100%, 86%
CMY	0.5173, 0.0039, 0.1371
CMYK	0.52, 0.00, 0.13, 0.00
HSL	164°, 98%, 74%
HSV	164°, 52%, 100%
XYZ	56.5393, 80.2619, 80.2402
YIQ	210.9550, -67.1620, -38.3460

Conversions

Conversions Part 2

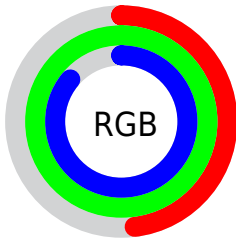
Format	Color
RYB	123, 198, 254
Decimal	8126172
CIELab	91.80, -44.16, 5.21
CIELCh	92, 44.464, 173.265
Yxy	80.2619, 0.2605, 0.3698
Android (android.graphics.Color)	4286316252 (0xFF7BFEDC)
YUV	210.9550, 4.4592, -77.1365
Hunter-Lab	89.5890, -44.1301, 9.6093

Details

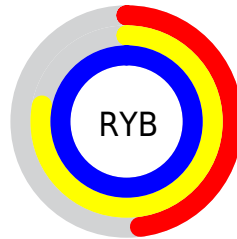
The Yxy color **80.2619, 0.2605, 0.3698** is a light color, and the websafe version is hex **99FFCC**. A complement of this color would be **37.6913, 0.4220, 0.2943**, and the grayscale version is **65.1289, 0.3127, 0.3290**.

A 20% lighter version of the original color is **88.8073, 0.2716, 0.3289**, and **43.5487, 0.2488, 0.3802** is the 20% darker color. If you saturate the color by 10%, you get **78.2847, 0.2544, 0.3793**, and if you desaturate by 10%, it is **82.7451, 0.2683, 0.3607**.

Distribution



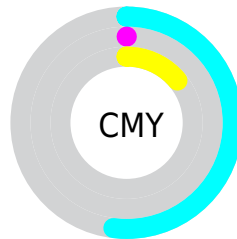
- Red (48%)
- Green (100%)
- Blue (86%)



- Red (48%)
- Yellow (78%)
- Blue (100%)



- Cyan (52%)
- Magenta (0%)
- Yellow (13%)
- Black (0%)





- Cyan (52%)
- Magenta (0%)
- Yellow (14%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 80.2619, 0.2605, 0.3698 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 80.2619, 0.2605, 0.3698 by changing the saturation by 10% instead.


 80.2619, 0.2605,
0.3698

 80.2619, 0.2605,
0.3698


495.8150, 0.2843,
0.3509

 59.9339, 0.2551,
0.3741


 133.7339, 0.2687,
0.3632

 43.3654, 0.2486,
0.3795


 167.6467, 0.2719,
0.3607

 30.1719, 0.2404,
0.3862


 206.8565, 0.2747,
0.3585

 19.9691, 0.2297,
0.3951

251.7477, 0.2771,
0.3566

 12.3726, 0.2155,
0.4072

302.7048, 0.2792,
0.3549

 6.9980, 0.1957,
0.4245

360.1121, 0.2811,

 3.4608, 0.1662,

0.3534

424.3541, 0.2828,
0.3521

0.4513

1.3768, 0.0630,
0.5292

0.1995, 0.0000,
1.0000

80.2619, 0.2605,
0.3698

80.2619, 0.2605,
0.3698

78.2847, 0.2544,
0.3793

82.7451, 0.2683,
0.3607

76.7655, 0.2503,
0.3891


85.7593, 0.2775,
0.3520


75.6632, 0.2482,
0.3990

89.3389, 0.2879,
0.3440

74.9243, 0.2480,
0.4088

93.5129, 0.2991,
0.3367

 74.5143, 0.2492,
0.4170

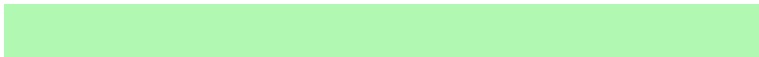
 98.3081, 0.3109,
0.3300

99.3594, 0.3128,
0.3280

Harmonies

Analogous

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



80.2619, 0.3075, 0.4110



80.2619, 0.2605, 0.3698



80.2619, 0.2290, 0.3176

Triad

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



80.2619, 0.2605, 0.3698



80.2619, 0.2631, 0.2476



80.2619, 0.4163, 0.3706

Complementary

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



80.2619, 0.2605, 0.3698



37.6913, 0.4220, 0.2943

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.



80.2619, 0.4036, 0.3298



80.2619, 0.2605, 0.3698



80.2619, 0.3112, 0.2623

Square

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



80.2619, 0.2605, 0.3698



80.2619, 0.2307, 0.2511



80.2619, 0.3637, 0.2915



80.2619, 0.3987, 0.4056

Rectangle

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



80.2619, 0.2605, 0.3698



80.2619, 0.2198, 0.2872



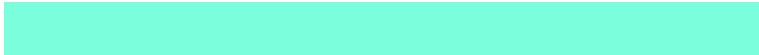
80.2619, 0.3637, 0.2915



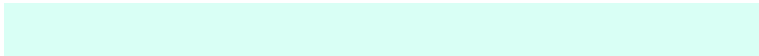
80.2619, 0.4155, 0.3572

Sweetspot

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



80.2651, 0.2605, 0.3698



92.8306, 0.2952, 0.3391



79.5796, 0.3238, 0.4852



19.6782, 0.2928, 0.3407



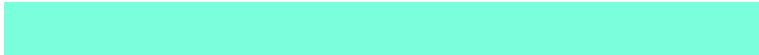
0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

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



80.2651, 0.2605, 0.3698



78.9099, 0.2542, 0.3798



64.3868, 0.2386, 0.2922



20.3962, 0.3015, 0.3352



39.3126, 0.2487, 0.4154



3.8456, 0.2456, 0.4042

Inverse Universe

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



37.6913, 0.4220, 0.2943



31.6236, 0.4587, 0.2896



45.4898, 0.4439, 0.3609



18.0644, 0.3253, 0.3229



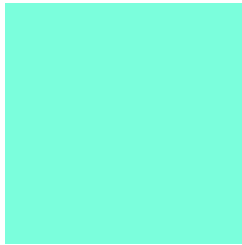
11.3358, 0.5906, 0.3027



1.1207, 0.5589, 0.2853

Previews

White Background



This preview shows how the Yxy color 80.2619, 0.2605, 0.3698 looks on a white background.

Color Contrast Check

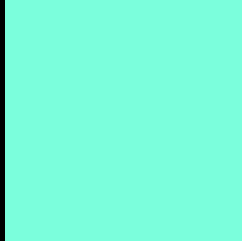
Large Text (above 18pt) WCAG AA × Fail

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 80.2619, 0.2605, 0.3698 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

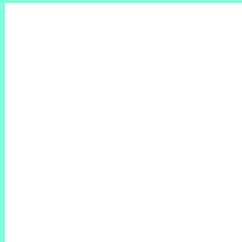
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 80.2619, 0.2605, 0.3698

Background



This preview shows how black text looks on a background with the Yxy color 80.2619, 0.2605, 0.3698.

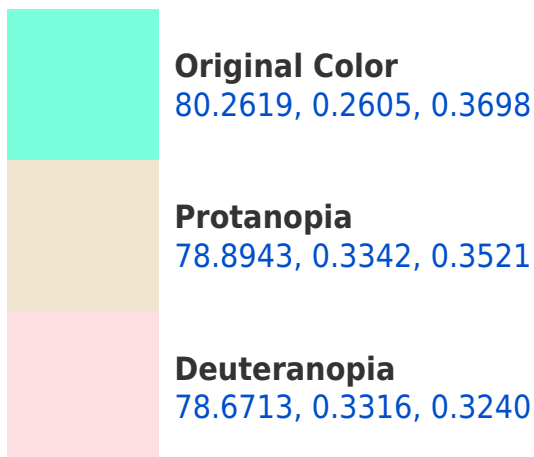


This preview shows how white text looks on a background with the Yxy color 80.2619, 0.2605, 0.3698.

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

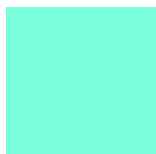




Tritanopia

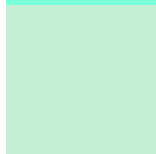
79.4777, 0.2668, 0.3135

Trichromacy



Original Color

80.2619, 0.2605, 0.3698



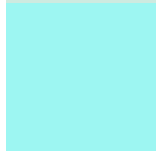
Protanomaly

77.7729, 0.3016, 0.3582



Deuteranomaly

77.3493, 0.3003, 0.3400



Tritanomaly

79.4904, 0.2638, 0.3334

Monochromacy



Original Color

80.2619, 0.2605, 0.3698



Achromatopsia

65.1406, 0.3127, 0.3290



Achromatomaly

69.3769, 0.2888, 0.3443

CSS Examples

Text

The CSS property to change the color of the text to Yxy 80.2619, 0.2605, 0.3698 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(123, 254, 220)` looks like.

```
.text, #text, p{  
    color:rgb(123, 254, 220)  
}
```

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(123, 254, 220) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(123, 254, 220) }
```

Border

The CSS property to change the border of an element to Yxy 80.2619, 0.2605, 0.3698 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(123, 254, 220) }
```

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

```
.border{ border-color:rgb(123, 254, 220) }
```

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

Here you see how a box with a 4 pixel `rgb(123, 254, 220)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(123, 254, 220); -webkit-box-  
shadow:4px 4px 4px 4px rgb(123, 254, 220);  
box-shadow:4px 4px 4px 4px rgb(123, 254,  
220) }
```


Background

The CSS property to change the background color of an element to Yxy 80.2619, 0.2605, 0.3698 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(123, 254, 220) }
```

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

```
.background{ background-color: rgb(123,  
254, 220) }
```

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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