

Converting Colors

$Yxy(68.1177, 0.2704, 0.3820)$

Have a look what the booklet for
Yxy(68.1177, 0.2704, 0.3820)
contains.

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Color

Yxy(68.2910, 0.2701, 0.3818)

Conversions

Conversions Part 1

Format	Color
Hex	7DECC3
RGB	125, 236, 195
RGB Percent	49%, 93%, 76%
CMY	0.5095, 0.0745, 0.2353
CMYK	0.47, 0.00, 0.17, 0.07
HSL	158°, 74%, 71%
HSV	158°, 47%, 93%
XYZ	48.3117, 68.2910, 62.2632
YIQ	198.1370, -52.9950, -36.2830

Conversions

Conversions Part 2

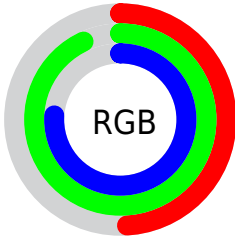
Format	Color
RYB	125, 193, 236
Decimal	8252611
CIELab	86.15, -41.28, 10.12
CIELCh	86, 42.499, 166.226
Yxy	68.2910, 0.2701, 0.3818
Android (android.graphics.Color)	4286442691 (0xFF7DECC3)
YUV	198.1370, -1.5465, -64.1411
Hunter-Lab	82.6384, -40.2633, 13.1753

Details

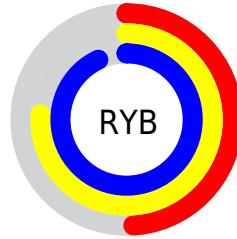
The Yxy color **68.2910, 0.2701, 0.3818** is a light color, and the websafe version is hex **99FFCC**. A complement of this color would be **35.2763, 0.3923, 0.2835**, and the grayscale version is **56.6063, 0.3127, 0.3290**.

A 20% lighter version of the original color is **88.6156, 0.2730, 0.3321**, and **35.7239, 0.2598, 0.3971** is the 20% darker color. If you saturate the color by 10%, you get **66.3391, 0.2642, 0.3955**, and if you desaturate by 10%, it is **70.6935, 0.2775, 0.3688**.

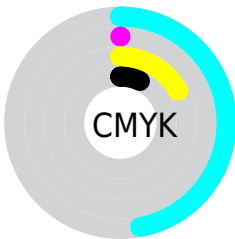
Distribution



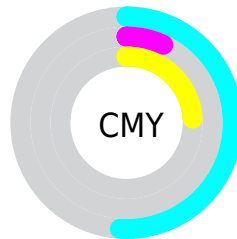
- Red (49%)
- Green (93%)
- Blue (76%)



- Red (49%)
- Yellow (76%)
- Blue (93%)



- Cyan (47%)
- Magenta (0%)
- Yellow (17%)
- Black (7%)





- Cyan (51%)
- Magenta (7%)
- Yellow (24%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 68.2910, 0.2701, 0.3818 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 68.2910, 0.2701, 0.3818 by changing the saturation by 10% instead.


 68.2910, 0.2701,
0.3818

 68.2910, 0.2701,
0.3818


454.5264, 0.2904,
0.3562


 50.1345, 0.2653,
0.3880


 116.7683, 0.2773,
0.3727

 35.5203, 0.2593,
0.3957


 147.8580, 0.2800,
0.3692

 24.0639, 0.2516,
0.4058


 184.0275, 0.2824,
0.3662

 15.3811, 0.2413,
0.4195

225.6612, 0.2844,
0.3637

 9.0873, 0.2270,
0.4389

273.1436, 0.2862,
0.3614

 4.7981, 0.2057,
0.4688

326.8589, 0.2878,

 2.1293, 0.1693,

0.3595

0.5209

387.1917, 0.2892,
0.3578

0.6810, 0.0000,
0.9523

0.0000, 0.0000,
0.0000

68.2910, 0.2701,
0.3818

68.2910, 0.2701,
0.3818

66.3391, 0.2642,
0.3955

70.6935, 0.2775,
0.3688

64.7987, 0.2600,
0.4098


73.5660, 0.2861,
0.3567

63.6378, 0.2578,
0.4242


76.9367, 0.2955,
0.3456


62.8157, 0.2577,
0.4386

80.8292, 0.3055,
0.3355

 62.2800, 0.2595,
0.4527

 85.2656, 0.3158,
0.3264

 62.1498, 0.2603,
0.4569

 87.9836, 0.3183,
0.3180

 88.4674, 0.3136,
0.3107

Harmonies

Analogous

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



68.2910, 0.3196, 0.4176



68.2910, 0.2701, 0.3818



68.2910, 0.2340, 0.3296

Triad

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



68.2910, 0.2701, 0.3818



68.2910, 0.2533, 0.2461



68.2910, 0.4170, 0.3614

Complementary

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



68.2910, 0.2701, 0.3818



35.2763, 0.3923, 0.2835

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.



68.2910, 0.3970, 0.3202



68.2910, 0.2701, 0.3818



68.2910, 0.2988, 0.2568

Square

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



68.2910, 0.2701, 0.3818



68.2910, 0.2253, 0.2542



68.2910, 0.3522, 0.2832



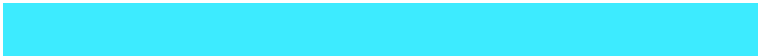
68.2910, 0.4060, 0.3990

Rectangle

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



68.2910, 0.2701, 0.3818



68.2910, 0.2212, 0.2968



68.2910, 0.3522, 0.2832



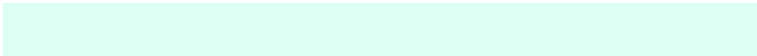
68.2910, 0.4138, 0.3476

Sweetspot

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



68.2937, 0.2701, 0.3818



93.0257, 0.2984, 0.3425



69.7511, 0.3322, 0.4657



19.7054, 0.2963, 0.3447



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.



68.2937, 0.2701, 0.3818



79.2525, 0.2646, 0.3945



63.2264, 0.2474, 0.3128



17.0219, 0.3030, 0.3379



34.2860, 0.2596, 0.4547



2.7107, 0.2542, 0.4352

Inverse Universe

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



35.2763, 0.3923, 0.2835



35.6085, 0.4172, 0.2759



37.4982, 0.4345, 0.3438



15.1461, 0.3235, 0.3203



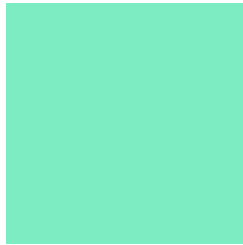
10.2341, 0.5497, 0.2802



0.8216, 0.5118, 0.2593

Previews

White Background



This preview shows how the Yxy color 68.2910, 0.2701, 0.3818 looks on a white background.

Color Contrast Check

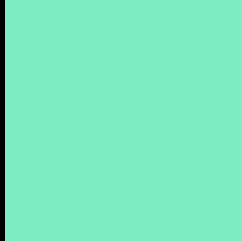
Large Text (above 18pt) WCAG AA × Fail

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 68.2910, 0.2701, 0.3818 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 68.2910, 0.2701, 0.3818

Background



This preview shows how black text looks on a background with the Yxy color 68.2910, 0.2701, 0.3818.



This preview shows how white text looks on a background with the Yxy color 68.2910, 0.2701, 0.3818.

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

68.2910, 0.2701, 0.3818

Protanopia

67.5614, 0.3421, 0.3626

Deuteranopia

67.3680, 0.3426, 0.3355



Tritanopia

68.2430, 0.2499, 0.3075

Trichromacy



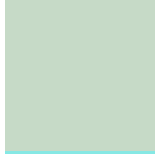
Original Color

68.2910, 0.2701, 0.3818



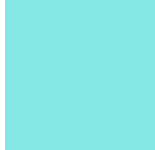
Protanomaly

66.6922, 0.3115, 0.3698



Deuteranomaly

66.2721, 0.3110, 0.3513



Tritanomaly

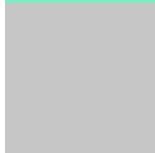
68.3830, 0.2572, 0.3337

Monochromacy



Original Color

68.2910, 0.2701, 0.3818



Achromatopsia

56.4712, 0.3127, 0.3290



Achromatomaly

59.7761, 0.2933, 0.3477

CSS Examples

Text

The CSS property to change the color of the text to Yxy 68.2910, 0.2701, 0.3818 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(125, 236, 195)` looks like.

```
.text, #text, p{  
    color:rgb(125, 236, 195)  
}
```

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(125, 236, 195) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(125, 236, 195) }
```

Border

The CSS property to change the border of an element to Yxy 68.2910, 0.2701, 0.3818 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(125, 236, 195) }
```

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

```
.border{ border-color:rgb(125, 236, 195) }
```

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

Here you see how a box with a 4 pixel `rgb(125, 236, 195)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(125, 236, 195); -webkit-box-shadow:4px 4px 4px 4px rgb(125, 236, 195); box-shadow:4px 4px 4px 4px rgb(125, 236, 195) }
```


Background

The CSS property to change the background color of an element to Yxy 68.2910, 0.2701, 0.3818 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(125, 236, 195) }
```

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

```
.background{ background-color: rgb(125,  
236, 195) }
```

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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