

Converting Colors

$Yxy(67.8468, 0.2680, 0.3750)$

Have a look what the booklet for
Yxy(67.8468, 0.2680, 0.3750)
contains.

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Color

Yxy(67.9002, 0.2679, 0.3752)

Conversions

Conversions Part 1

| Format | Color |
|-------------|------------------------------|
| Hex | 7DEBC7 |
| RGB | 125, 235, 199 |
| RGB Percent | 49%, 92%, 78% |
| CMY | 0.5095, 0.0784, 0.2196 |
| CMYK | 0.47, 0.00, 0.15, 0.08 |
| HSL | 160°, 73%, 71% |
| HSV | 160°, 47%, 92% |
| XYZ | 48.4820, 67.9002, 64.5884 |
| YIQ | 198.0060, -54.0040, -34.5160 |

Conversions

Conversions Part 2

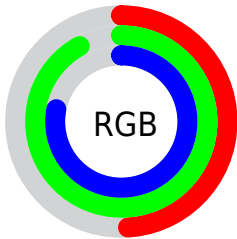
| Format | Color |
|-------------------------------------|--|
| RYB | 125, 191, 235 |
| Decimal | 8252359 |
| CIELab | 85.96, -39.97, 7.74 |
| CIELCh | 86, 40.710, 169.038 |
| Yxy | 67.9002, 0.2679, 0.3752 |
| Android (android.graphics.Color) | 4286442439 (0xFF7DEBC7) |
| YUV | 198.0060, 0.4900, -64.0263 |
| Hunter-Lab | 82.4016, -39.1800, 11.2081 |

Details

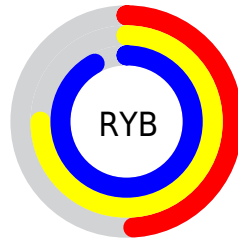
The Yxy color **67.9002, 0.2679, 0.3752** is a light color, and the websafe version is hex **99FFCC**. A complement of this color would be **34.9201, 0.3973, 0.2888**, and the grayscale version is **56.5082, 0.3127, 0.3290**.

A 20% lighter version of the original color is **88.8073, 0.2716, 0.3289**, and **35.4428, 0.2571, 0.3881** is the 20% darker color. If you saturate the color by 10%, you get **65.9891, 0.2616, 0.3872**, and if you desaturate by 10%, it is **70.2532, 0.2758, 0.3638**.

Distribution



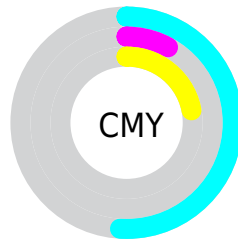
- Red (49%)
- Green (92%)
- Blue (78%)



- Red (49%)
- Yellow (75%)
- Blue (92%)



- Cyan (47%)
- Magenta (0%)
- Yellow (15%)
- Black (8%)



- Cyan (51%)
- Magenta (8%)
- Yellow (22%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 67.9002, 0.2679, 0.3752 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 67.9002, 0.2679, 0.3752 by changing the saturation by 10% instead.

 67.9002, 0.2679,
0.3752

 67.9002, 0.2679,
0.3752


453.1423, 0.2891,
0.3529


 49.8165, 0.2629,
0.3805


 116.2094, 0.2754,
0.3673

 35.2677, 0.2567,
0.3872


 147.2037, 0.2782,
0.3643

 23.8691, 0.2488,
0.3959


 183.2703, 0.2807,
0.3617

 15.2366, 0.2382,
0.4076

224.7937, 0.2828,
0.3595

 8.9856, 0.2236,
0.4242

272.1582, 0.2847,
0.3575

 4.7318, 0.2020,
0.4495

325.7482, 0.2864,

 2.0908, 0.1659,

0.3558

0.4932

385.9481, 0.2878,
0.3543

0.6594, 0.0000,
0.7886

0.0000, 0.0000,
0.0000

67.9002, 0.2679,
0.3752

67.9002, 0.2679,
0.3752

65.9891, 0.2616,
0.3872

70.2532, 0.2758,
0.3638

64.4815, 0.2570,
0.3996


73.0672, 0.2848,
0.3532


63.3460, 0.2544,
0.4123


76.3700, 0.2948,
0.3434

62.5425, 0.2539,
0.4250

80.1848, 0.3054,
0.3345


 62.0202, 0.2553,
0.4374

 84.5332, 0.3162,
0.3265

 61.8851, 0.2559,
0.4414

 87.2767, 0.3198,
0.3191

 87.7569, 0.3149,
0.3118

 87.8941, 0.3136,
0.3097

Harmonies

Analogous

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



67.9002, 0.3148, 0.4117



67.9002, 0.2679, 0.3752



67.9002, 0.2347, 0.3250

Triad

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



67.9002, 0.2679, 0.3752



67.9002, 0.2591, 0.2493



67.9002, 0.4131, 0.3642

Complementary

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



67.9002, 0.2679, 0.3752



34.9201, 0.3973, 0.2888

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.



67.9002, 0.3966, 0.3244



67.9002, 0.2679, 0.3752



67.9002, 0.3041, 0.2612

Square

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



67.9002, 0.2679, 0.3752



67.9002, 0.2302, 0.2555



67.9002, 0.3553, 0.2879



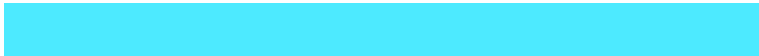
67.9002, 0.4000, 0.3994

Rectangle

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



67.9002, 0.2679, 0.3752



67.9002, 0.2236, 0.2943



67.9002, 0.3553, 0.2879



67.9002, 0.4109, 0.3510

Sweetspot

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



67.9029, 0.2679, 0.3752



93.1167, 0.2976, 0.3409



68.5473, 0.3285, 0.4666



19.7276, 0.2954, 0.3429



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.



67.9029, 0.2679, 0.3752



79.5445, 0.2619, 0.3865



59.8205, 0.2464, 0.3058



17.0331, 0.3025, 0.3368



34.4679, 0.2554, 0.4394



2.7241, 0.2506, 0.4222

Inverse Universe

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



34.9201, 0.3973, 0.2888



35.3938, 0.4248, 0.2820



38.9050, 0.4304, 0.3500



15.1354, 0.3241, 0.3213



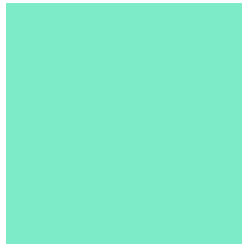
10.1483, 0.5660, 0.2891



0.8140, 0.5269, 0.2676

Previews

White Background



This preview shows how the Yxy color 67.9002, 0.2679, 0.3752 looks on a white background.

Color Contrast Check

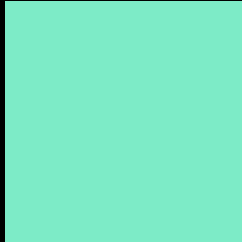
Large Text (above 18pt) WCAG AA × Fail

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 67.9002, 0.2679, 0.3752 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 67.9002, 0.2679, 0.3752

Background



This preview shows how black text looks on a background with the Yxy color 67.9002, 0.2679, 0.3752.

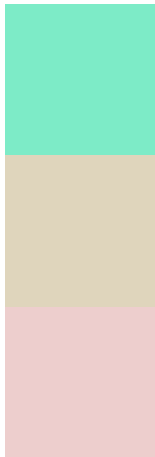


This preview shows how white text looks on a background with the Yxy color 67.9002, 0.2679, 0.3752.

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

67.9002, 0.2679, 0.3752

Protanopia

66.9073, 0.3379, 0.3571

Deuteranopia

66.5549, 0.3374, 0.3302



Tritanopia

67.6055, 0.2492, 0.3062

Trichromacy



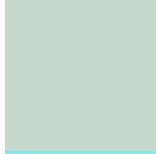
Original Color

67.9002, 0.2679, 0.3752



Protanomaly

66.0835, 0.3076, 0.3638



Deuteranomaly

65.6733, 0.3069, 0.3454



Tritanomaly

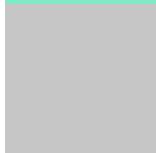
67.8515, 0.2555, 0.3301

Monochromacy



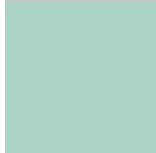
Original Color

67.9002, 0.2679, 0.3752



Achromatopsia

56.4712, 0.3127, 0.3290



Achromatomaly

59.3237, 0.2926, 0.3452

CSS Examples

Text

The CSS property to change the color of the text to Yxy 67.9002, 0.2679, 0.3752 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, 235, 199)` looks like.

```
.text, #text, p{  
    color:rgb(125, 235, 199)  
}
```

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, 235, 199) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(125, 235, 199) }
```

Border

The CSS property to change the border of an element to Yxy 67.9002, 0.2679, 0.3752 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, 235, 199) }
```

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

```
.border{ border-color:rgb(125, 235, 199) }
```

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

Here you see how a box with a 4 pixel `rgb(125, 235, 199)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(125, 235, 199); -webkit-box-  
shadow:4px 4px 4px 4px rgb(125, 235, 199);  
box-shadow:4px 4px 4px 4px rgb(125, 235,  
199) }
```


Background

The CSS property to change the background color of an element to Yxy 67.9002, 0.2679, 0.3752 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(125, 235, 199) }
```

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

```
.background{ background-color: rgb(125,  
235, 199) }
```

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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