

Converting Colors

$Yxy(67.7891, 0.2698, 0.3768)$

Have a look what the booklet for
Yxy(67.7891, 0.2698, 0.3768)
contains.

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Color

Yxy(67.9599, 0.2698, 0.3778)

Conversions

Conversions Part 1

Format	Color
Hex	7FEB C5
RGB	127, 235, 197
RGB Percent	50%, 92%, 77%
CMY	0.5022, 0.0784, 0.2274
CMYK	0.46, 0.00, 0.16, 0.08
HSL	159°, 73%, 71%
HSV	159°, 46%, 92%
XYZ	48.5325, 67.9599, 63.3909
YIQ	198.3760, -52.1700, -34.7140

Conversions

Conversions Part 2

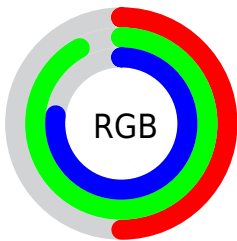
Format	Color
RYB	127, 193, 235
Decimal	8383429
CIELab	85.99, -39.96, 8.84
CIElCh	86, 40.923, 167.528
Yxy	67.9599, 0.2698, 0.3778
Android (android.graphics.Color)	4286573509 (0xFF7FEB5)
YUV	198.3760, -0.6784, -62.5968
Hunter-Lab	82.4378, -39.1802, 12.1152

Details

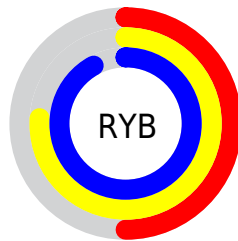
The Yxy color **67.9599, 0.2698, 0.3778** is a light color, and the websafe version is hex **99FFCC**. A complement of this color would be **35.5405, 0.3921, 0.2865**, and the grayscale version is **56.7333, 0.3127, 0.3290**.

A 20% lighter version of the original color is **88.9900, 0.2731, 0.3300**, and **35.4523, 0.2592, 0.3917** is the 20% darker color. If you saturate the color by 10%, you get **65.9963, 0.2635, 0.3907**, and if you desaturate by 10%, it is **70.3704, 0.2775, 0.3656**.

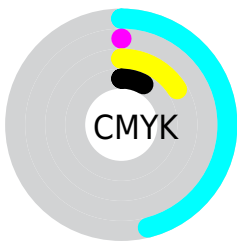
Distribution



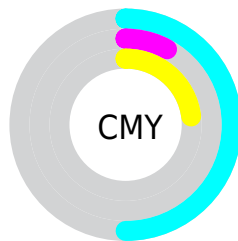
- Red (50%)
- Green (92%)
- Blue (77%)



- Red (50%)
- Yellow (76%)
- Blue (92%)



- Cyan (46%)
- Magenta (0%)
- Yellow (16%)
- Black (8%)





- Cyan (50%)
- Magenta (8%)
- Yellow (23%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 67.9599, 0.2698, 0.3778 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 67.9599, 0.2698, 0.3778 by changing the saturation by 10% instead.

 67.9599, 0.2698,
0.3778

 67.9599, 0.2698,
0.3778

453.3539, 0.2902,
0.3542


 49.8651, 0.2650,
0.3835


 116.2948, 0.2770,
0.3694

 35.3062, 0.2590,
0.3906


 147.3037, 0.2798,
0.3662

 23.8989, 0.2513,
0.3998


 183.3860, 0.2821,
0.3635

 15.2586, 0.2411,
0.4124

224.9263, 0.2842,
0.3611

 9.0011, 0.2268,
0.4302

272.3088, 0.2860,
0.3590

 4.7419, 0.2057,
0.4574

325.9180, 0.2875,

 2.0966, 0.1701,

0.3572

0.5046

386.1382, 0.2890,
0.3556

0.6627, 0.0000,
0.8647

0.0000, 0.0000,
0.0000

67.9599, 0.2698,
0.3778

67.9599, 0.2698,
0.3778

65.9963, 0.2635,
0.3907

70.3704, 0.2775,
0.3656

64.4415, 0.2590,
0.4042

73.2468, 0.2864,
0.3542

63.2642, 0.2565,
0.4178


76.6167, 0.2961,
0.3437


62.4249, 0.2560,
0.4315


80.5033, 0.3064,
0.3342

 61.8747, 0.2575,
0.4450

 84.9282, 0.3170,
0.3257

 61.7034, 0.2584,
0.4503

 87.3737, 0.3189,
0.3178

 87.8941, 0.3137,
0.3099

 87.9036, 0.3136,
0.3097

Harmonies

Analogous

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



67.9599, 0.3173, 0.4133



67.9599, 0.2698, 0.3778



67.9599, 0.2355, 0.3275

Triad

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



67.9599, 0.2698, 0.3778



67.9599, 0.2569, 0.2488



67.9599, 0.4135, 0.3623

Complementary

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



67.9599, 0.2698, 0.3778



35.5405, 0.3921, 0.2865

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.



67.9599, 0.3954, 0.3223



67.9599, 0.2698, 0.3778



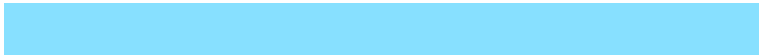
67.9599, 0.3015, 0.2599

Square

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



67.9599, 0.2698, 0.3778



67.9599, 0.2289, 0.2560



67.9599, 0.3530, 0.2861



67.9599, 0.4017, 0.3982

Rectangle

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



67.9599, 0.2698, 0.3778



67.9599, 0.2237, 0.2962



67.9599, 0.3530, 0.2861



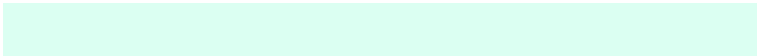
67.9599, 0.4108, 0.3490

Sweetspot

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



67.9626, 0.2698, 0.3778



93.0644, 0.2981, 0.3418



69.1223, 0.3308, 0.4630



19.7148, 0.2959, 0.3440



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.



67.9626, 0.2698, 0.3778



79.5892, 0.2640, 0.3897



62.0089, 0.2481, 0.3109



17.0267, 0.3028, 0.3374



34.3618, 0.2578, 0.4482



2.7164, 0.2527, 0.4296

Inverse Universe

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



35.5405, 0.3921, 0.2865



36.1470, 0.4174, 0.2792



38.3467, 0.4296, 0.3456



15.1415, 0.3238, 0.3207



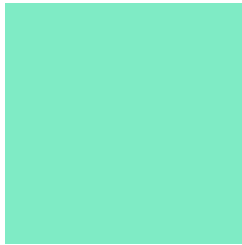
10.1960, 0.5567, 0.2841



0.8183, 0.5183, 0.2629

Previews

White Background



This preview shows how the Yxy color 67.9599, 0.2698, 0.3778 looks on a white background.

Color Contrast Check

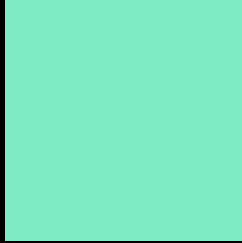
Large Text (above 18pt) WCAG AA × Fail

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 67.9599, 0.2698, 0.3778 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 67.9599, 0.2698, 0.3778

Background



This preview shows how black text looks on a background with the Yxy color 67.9599, 0.2698, 0.3778.

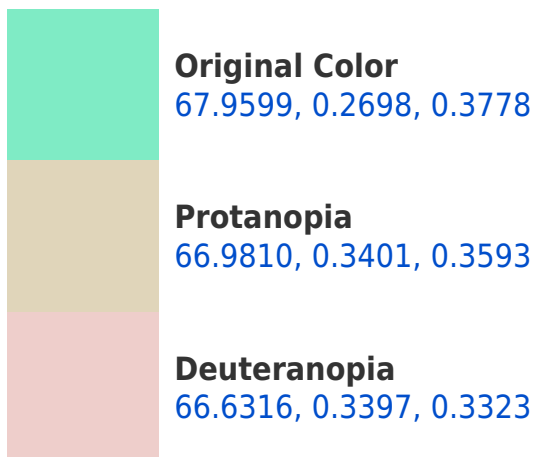


This preview shows how white text looks on a background with the Yxy color 67.9599, 0.2698, 0.3778.

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

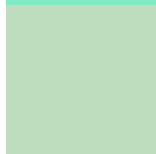
67.7161, 0.2506, 0.3074

Trichromacy



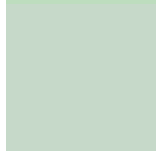
Original Color

67.9599, 0.2698, 0.3778



Protanomaly

66.2494, 0.3103, 0.3662



Deuteranomaly

65.8485, 0.3097, 0.3477



Tritanomaly

67.9042, 0.2574, 0.3325

Monochromacy



Original Color

67.9599, 0.2698, 0.3778



Achromatopsia

56.4712, 0.3127, 0.3290



Achromatomaly

59.4364, 0.2933, 0.3452

CSS Examples

Text

The CSS property to change the color of the text to Yxy 67.9599, 0.2698, 0.3778 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, 235, 197)` looks like.

```
.text, #text, p{  
    color:rgb(127, 235, 197)  
}
```

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, 235, 197) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(127, 235, 197) }
```

Border

The CSS property to change the border of an element to Yxy 67.9599, 0.2698, 0.3778 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, 235, 197) }
```

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

```
.border{ border-color:rgb(127, 235, 197) }
```

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

Here you see how a box with a 4 pixel `rgb(127, 235, 197)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(127, 235, 197); -webkit-box-  
shadow:4px 4px 4px 4px rgb(127, 235, 197);  
box-shadow:4px 4px 4px 4px rgb(127, 235,  
197) }
```


Background

The CSS property to change the background color of an element to Yxy 67.9599, 0.2698, 0.3778 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(127, 235, 197) }
```

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

```
.background{ background-color: rgb(127,  
235, 197) }
```

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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