

Converting Colors

$Yxy(67.6593, 0.2775, 0.3714)$

Have a look what the booklet for
Yxy(67.6593, 0.2775, 0.3714)
contains.

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Color

Yxy(67.7197, 0.2776, 0.3719)

Conversions

Conversions Part 1

Format	Color
Hex	90E8C6
RGB	144, 232, 198
RGB Percent	56%, 91%, 78%
CMY	0.4353, 0.0902, 0.2236
CMYK	0.38, 0.00, 0.15, 0.09
HSL	157°, 66%, 74%
HSV	157°, 38%, 91%
XYZ	50.5485, 67.7197, 63.8229
YIQ	201.8120, -41.5340, -29.2300

Conversions

Conversions Part 2

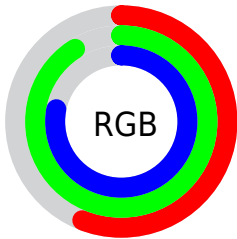
Format	Color
RYB	144, 199, 232
Decimal	9496774
CIELab	85.87, -33.98, 8.25
CIELCh	86, 34.968, 166.351
Yxy	67.7197, 0.2776, 0.3719
Android (android.graphics.Color)	4287686854 (0xFF90E8C6)
YUV	201.8120, -1.8793, -50.7011
Hunter-Lab	82.2920, -34.3659, 11.6210

Details

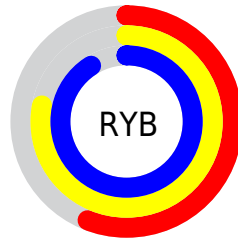
The Yxy color **67.7197, 0.2776, 0.3719** is a light color, and the websafe version is hex **99FFCC**. A complement of this color would be **40.3165, 0.3695, 0.2904**, and the grayscale version is **58.9704, 0.3127, 0.3290**.

A 20% lighter version of the original color is **91.1575, 0.2811, 0.3289**, and **35.1881, 0.2690, 0.3835** is the 20% darker color. If you saturate the color by 10%, you get **65.4421, 0.2705, 0.3856**, and if you desaturate by 10%, it is **70.4566, 0.2859, 0.3591**.

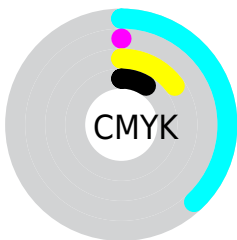
Distribution



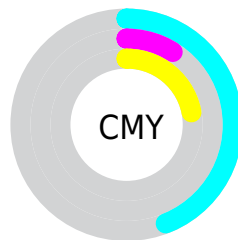
- Red (56%)
- Green (91%)
- Blue (78%)



- Red (56%)
- Yellow (78%)
- Blue (91%)



- Cyan (38%)
- Magenta (0%)
- Yellow (15%)
- Black (9%)





- Cyan (44%)
- Magenta (9%)
- Yellow (22%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 67.7197, 0.2776, 0.3719 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 67.7197, 0.2776, 0.3719 by changing the saturation by 10% instead.


 67.7197, 0.2776,
0.3719

 67.7197, 0.2776,
0.3719

452.5023, 0.2943,
0.3512

 49.6697, 0.2737,
0.3769


 115.9511, 0.2835,
0.3645

 35.1510, 0.2687,
0.3831


 146.9012, 0.2858,
0.3617

 23.7793, 0.2624,
0.3912


182.9203, 0.2877,
0.3593

 15.1700, 0.2539,
0.4021

224.3926, 0.2894,
0.3573

 8.9387, 0.2421,
0.4177

271.7025, 0.2908,
0.3555

 4.7013, 0.2244,
0.4415

325.2345, 0.2921,

 2.0731, 0.1954,

0.3539

0.4823

385.3730, 0.2933,
0.3525

0.6494, 0.0000,
0.8330

0.0000, 0.0000,
0.0000

67.7197, 0.2776,
0.3719

67.7197, 0.2776,
0.3719

65.4421, 0.2705,
0.3856

70.4566, 0.2859,
0.3591

63.5885, 0.2648,
0.4001


73.6691, 0.2951,
0.3474

62.1320, 0.2610,
0.4150


77.3828, 0.3048,
0.3367

61.0386, 0.2591,
0.4302


81.6191, 0.3148,
0.3271


 60.2686, 0.2593,
0.4453

 85.4378, 0.3215,
0.3185

 59.7671, 0.2614,
0.4600

 85.9925, 0.3158,
0.3098

 59.6800, 0.2619,
0.4630

 86.1972, 0.3138,
0.3068

Harmonies

Analogous

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



67.7197, 0.3189, 0.4009



67.7197, 0.2776, 0.3719



67.7197, 0.2470, 0.3299

Triad

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



67.7197, 0.2776, 0.3719



67.7197, 0.2635, 0.2594



67.7197, 0.3987, 0.3573

Complementary

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



67.7197, 0.2776, 0.3719



40.3165, 0.3695, 0.2904

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.



67.7197, 0.3822, 0.3224



67.7197, 0.2776, 0.3719



67.7197, 0.3017, 0.2683

Square

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



67.7197, 0.2776, 0.3719



67.7197, 0.2395, 0.2667



67.7197, 0.3457, 0.2908



67.7197, 0.3901, 0.3882

Rectangle

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



67.7197, 0.2776, 0.3719



67.7197, 0.2360, 0.3030



67.7197, 0.3457, 0.2908



67.7197, 0.3960, 0.3457

Sweetspot

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



67.7225, 0.2776, 0.3719



94.3840, 0.3017, 0.3399



69.3381, 0.3306, 0.4365



20.0656, 0.3004, 0.3413



0.0000, 0.0000, 0.0000



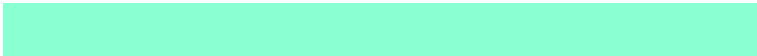
21.4041, 0.3127, 0.3290

Same Dimension

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



67.7225, 0.2776, 0.3719



81.5338, 0.2716, 0.3832



64.6407, 0.2584, 0.3181



16.2370, 0.3033, 0.3382



33.1551, 0.2613, 0.4606



2.4681, 0.2553, 0.4392

Inverse Universe

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



40.3165, 0.3695, 0.2904



42.7717, 0.3881, 0.2822



41.8858, 0.4025, 0.3394



14.4598, 0.3232, 0.3199



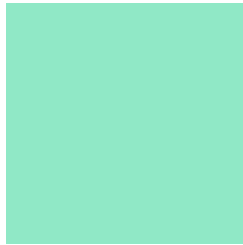
9.9539, 0.5427, 0.2763



0.7533, 0.5034, 0.2547

Previews

White Background



This preview shows how the Yxy color 67.7197, 0.2776, 0.3719 looks on a white background.

Color Contrast Check

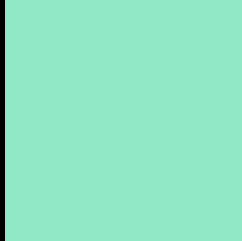
Large Text (above 18pt) WCAG AA × Fail

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 67.7197, 0.2776, 0.3719 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

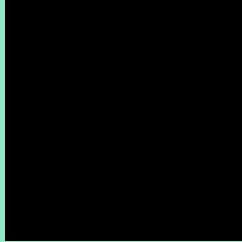
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

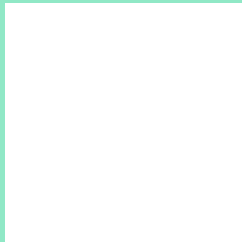
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 67.7197, 0.2776, 0.3719

Background



This preview shows how black text looks on a background with the Yxy color 67.7197, 0.2776, 0.3719.

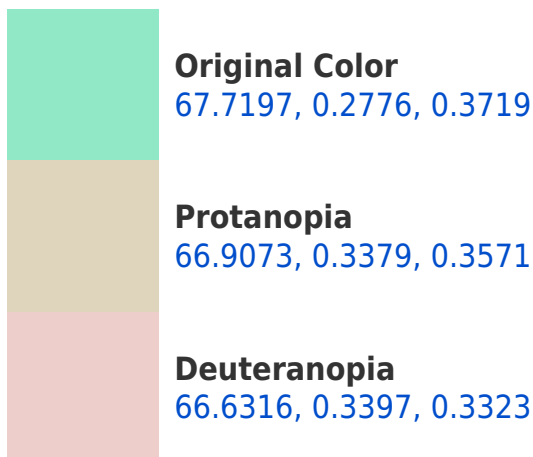


This preview shows how white text looks on a background with the Yxy color 67.7197, 0.2776, 0.3719.

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

67.8929, 0.2586, 0.3077

Trichromacy



Original Color

67.7197, 0.2776, 0.3719



Protanomaly

66.4615, 0.3126, 0.3622



Deuteranomaly

65.6553, 0.3141, 0.3452



Tritanomaly

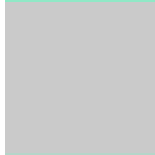
67.6122, 0.2654, 0.3301

Monochromacy



Original Color

67.7197, 0.2776, 0.3719



Achromatopsia

59.0619, 0.3127, 0.3290



Achromatomaly

61.6293, 0.2977, 0.3436

CSS Examples

Text

The CSS property to change the color of the text to Yxy 67.7197, 0.2776, 0.3719 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(144, 232, 198)` looks like.

```
.text, #text, p{  
    color:rgb(144, 232, 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(144, 232, 198) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(144, 232, 198) }
```

Border

The CSS property to change the border of an element to Yxy 67.7197, 0.2776, 0.3719 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(144, 232, 198) }
```

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

```
.border{ border-color:rgb(144, 232, 198) }
```

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

Here you see how a box with a 4 pixel `rgb(144, 232, 198)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(144, 232, 198); -webkit-box-shadow:4px 4px 4px 4px rgb(144, 232, 198); box-shadow:4px 4px 4px 4px rgb(144, 232, 198) }
```


Background

The CSS property to change the background color of an element to Yxy 67.7197, 0.2776, 0.3719 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(144, 232, 198) }
```

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

```
.background{ background-color: rgb(144,  
232, 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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