

Converting Colors

$Y_{xy}(69.1259, 0.2716, 0.3835)$

Have a look what the booklet for
Yxy(69.1259, 0.2716, 0.3835)
contains.

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Color

Yxy(69.0205, 0.2712, 0.3828)

Conversions

Conversions Part 1

Format	Color
Hex	7FEDC3
RGB	127, 237, 195
RGB Percent	50%, 93%, 76%
CMY	0.5016, 0.0706, 0.2352
CMYK	0.46, 0.00, 0.18, 0.07
HSL	157°, 75%, 71%
HSV	157°, 46%, 93%
XYZ	48.8985, 69.0205, 62.3853
YIQ	199.3220, -52.0780, -36.3820

Conversions

Conversions Part 2

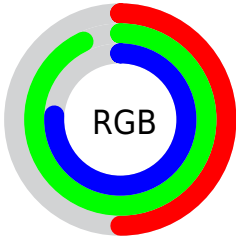
Format	Color
RYB	127, 195, 237
Decimal	8383939
CIELab	86.51, -41.23, 10.64
CIElCh	87, 42.580, 165.536
Yxy	69.0205, 0.2712, 0.3828
Android (android.graphics.Color)	4286574019 (0xFF7FEDC3)
YUV	199.3220, -2.1307, -63.4264
Hunter-Lab	83.0786, -40.3257, 13.6330

Details

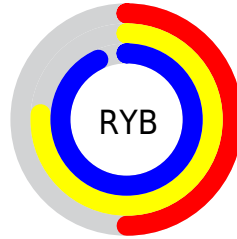
The Yxy color **69.0205, 0.2712, 0.3828** is a light color, and the websafe version is hex **99FFCC**. A complement of this color would be **36.0729, 0.3892, 0.2825**, and the grayscale version is **57.3733, 0.3127, 0.3290**.

A 20% lighter version of the original color is **88.8626, 0.2741, 0.3321**, and **35.7945, 0.2607, 0.3969** is the 20% darker color. If you saturate the color by 10%, you get **67.0138, 0.2653, 0.3970**, and if you desaturate by 10%, it is **71.4856, 0.2786, 0.3694**.

Distribution



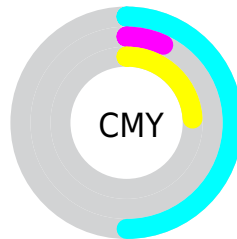
- Red (50%)
- Green (93%)
- Blue (76%)



- Red (50%)
- Yellow (76%)
- Blue (93%)



- Cyan (46%)
- Magenta (0%)
- Yellow (18%)
- Black (7%)





- Cyan (50%)
- Magenta (7%)
- Yellow (24%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 69.0205, 0.2712, 0.3828 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 69.0205, 0.2712, 0.3828 by changing the saturation by 10% instead.


 69.0205, 0.2712,
0.3828

 69.0205, 0.2712,
0.3828


457.1033, 0.2910,
0.3567

 50.7284, 0.2665,
0.3891


 117.8109, 0.2782,
0.3735

 35.9925, 0.2607,
0.3970


 149.0779, 0.2809,
0.3700

 24.4284, 0.2532,
0.4072


 185.4387, 0.2832,
0.3670

 15.6517, 0.2432,
0.4211

227.2777, 0.2851,
0.3644

 9.2780, 0.2292,
0.4408

274.9793, 0.2869,
0.3621

 4.9230, 0.2084,
0.4711

328.9278, 0.2884,

 2.2021, 0.1737,

0.3601

389.5077, 0.2898,
0.3583

0.5232

0.7212, 0.0000,
0.9454

0.0000, 0.0000,
0.0000

69.0205, 0.2712,
0.3828

69.0205, 0.2712,
0.3828

67.0138, 0.2653,
0.3970

71.4856, 0.2786,
0.3694

65.4263, 0.2611,
0.4117


74.4286, 0.2871,
0.3569

64.2259, 0.2589,
0.4267


77.8780, 0.2964,
0.3454


63.3717, 0.2587,
0.4416

81.8574, 0.3063,
0.3351

 62.8129, 0.2606,
0.4562

 86.3893, 0.3164,
0.3257

 62.6533, 0.2615,
0.4615

 88.6829, 0.3170,
0.3171

 89.0430, 0.3135,
0.3117

Harmonies

Analogous

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



69.0205, 0.3208, 0.4179



69.0205, 0.2712, 0.3828



69.0205, 0.2347, 0.3308

Triad

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



69.0205, 0.2712, 0.3828



69.0205, 0.2525, 0.2462



69.0205, 0.4167, 0.3604

Complementary

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



69.0205, 0.2712, 0.3828



36.0729, 0.3892, 0.2825

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.



69.0205, 0.3961, 0.3193



69.0205, 0.2712, 0.3828



69.0205, 0.2976, 0.2565

Square

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



69.0205, 0.2712, 0.3828



69.0205, 0.2250, 0.2547



69.0205, 0.3509, 0.2825



69.0205, 0.4064, 0.3982

Rectangle

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



69.0205, 0.2712, 0.3828



69.0205, 0.2216, 0.2979



69.0205, 0.3509, 0.2825



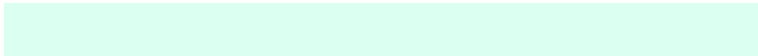
69.0205, 0.4133, 0.3467

Sweetspot

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



69.0233, 0.2712, 0.3828



92.9994, 0.2987, 0.3429



70.5573, 0.3321, 0.4637



19.6989, 0.2966, 0.3453



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.



69.0233, 0.2712, 0.3828



79.1697, 0.2654, 0.3968



64.0356, 0.2481, 0.3130



17.0187, 0.3032, 0.3382



34.2358, 0.2609, 0.4591



2.7070, 0.2553, 0.4390

Inverse Universe

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



36.0729, 0.3892, 0.2825



35.6728, 0.4150, 0.2741



38.2691, 0.4322, 0.3437



15.1493, 0.3233, 0.3200



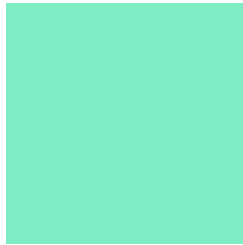
10.2613, 0.5448, 0.2775



0.8240, 0.5074, 0.2569

Previews

White Background



This preview shows how the Yxy color 69.0205, 0.2712, 0.3828 looks on a white background.

Color Contrast Check

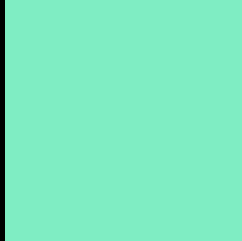
Large Text (above 18pt) WCAG AA × Fail

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 69.0205, 0.2712, 0.3828 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 69.0205, 0.2712, 0.3828

Background



This preview shows how black text looks on a background with the Yxy color 69.0205, 0.2712, 0.3828.

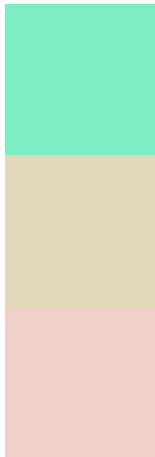


This preview shows how white text looks on a background with the Yxy color 69.0205, 0.2712, 0.3828.

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

69.0205, 0.2712, 0.3828

Protanopia

68.2303, 0.3427, 0.3636

Deuteranopia

68.0296, 0.3432, 0.3366



Tritanopia

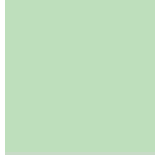
69.0337, 0.2505, 0.3076

Trichromacy



Original Color

69.0205, 0.2712, 0.3828



Protanomaly

67.3533, 0.3122, 0.3708



Deuteranomaly

67.0659, 0.3123, 0.3523



Tritanomaly

69.1692, 0.2578, 0.3337

Monochromacy



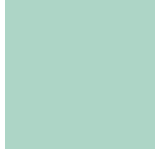
Original Color

69.0205, 0.2712, 0.3828



Achromatopsia

57.1125, 0.3127, 0.3290



Achromatomaly

60.5500, 0.2941, 0.3476

CSS Examples

Text

The CSS property to change the color of the text to Yxy 69.0205, 0.2712, 0.3828 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, 237, 195)` looks like.

```
.text, #text, p{  
    color:rgb(127, 237, 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(127, 237, 195) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(127, 237, 195) }
```

Border

The CSS property to change the border of an element to Yxy 69.0205, 0.2712, 0.3828 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, 237, 195) }
```

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

```
.border{ border-color:rgb(127, 237, 195) }
```

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

Here you see how a box with a 4 pixel `rgb(127, 237, 195)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(127, 237, 195); -webkit-box-  
shadow:4px 4px 4px 4px rgb(127, 237, 195);  
box-shadow:4px 4px 4px 4px rgb(127, 237,  
195) }
```


Background

The CSS property to change the background color of an element to Yxy 69.0205, 0.2712, 0.3828 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(127, 237, 195) }
```

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

```
.background{ background-color: rgb(127,  
237, 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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