

Converting Colors

$Yxy(70.0887, 0.2790, 0.3966)$

Have a look what the booklet for
Yxy(70.0887, 0.2790, 0.3966)
contains.

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Color

Yxy(70.2647, 0.2790, 0.3968)

Conversions

Conversions Part 1

Format	Color
Hex	85EFBA
RGB	133, 239, 186
RGB Percent	52%, 94%, 73%
CMY	0.4783, 0.0627, 0.2706
CMYK	0.44, 0.00, 0.22, 0.06
HSL	150°, 77%, 73%
HSV	150°, 44%, 94%
XYZ	49.4049, 70.2647, 57.4088
YIQ	201.2640, -46.1630, -38.9550

Conversions

Conversions Part 2

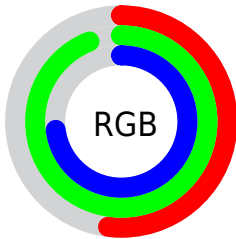
Format	Color
RYB	133, 204, 239
Decimal	8777658
CIELab	87.13, -42.49, 16.23
CIELCh	87, 45.486, 159.094
Yxy	70.2647, 0.2790, 0.3968
Android (android.graphics.Color)	4286967738 (0xFF85EFBA)
YUV	201.2640, -7.5252, -59.8675
Hunter-Lab	83.8240, -41.4864, 18.0707

Details

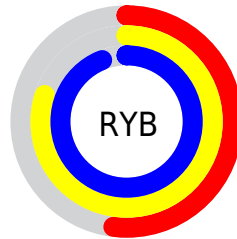
The Yxy color **70.2647, 0.2790, 0.3968** is a light color, and the websafe version is hex **99FFCC**. A complement of this color would be **38.6809, 0.3704, 0.2711**, and the grayscale version is **58.6552, 0.3127, 0.3290**.

A 20% lighter version of the original color is **88.8780, 0.2817, 0.3429**, and **36.6452, 0.2696, 0.4140** is the 20% darker color. If you saturate the color by 10%, you get **68.0506, 0.2738, 0.4157**, and if you desaturate by 10%, it is **72.9696, 0.2854, 0.3791**.

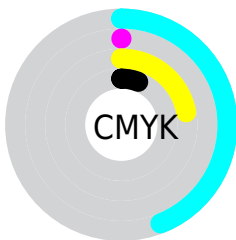
Distribution



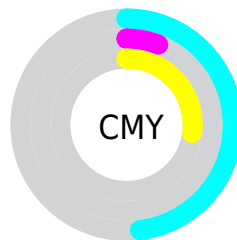
- Red (52%)
- Green (94%)
- Blue (73%)



- Red (52%)
- Yellow (80%)
- Blue (94%)



- Cyan (44%)
- Magenta (0%)
- Yellow (22%)
- Black (6%)




- Cyan (48%)
- Magenta (6%)
- Yellow (27%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 70.2647, 0.2790, 0.3968 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 70.2647, 0.2790, 0.3968 by changing the saturation by 10% instead.


 70.2647, 0.2790,
0.3968


 70.2647, 0.2790,
0.3968


461.4789, 0.2954,
0.3637

 51.7424, 0.2750,
0.4048


 119.5862, 0.2849,
0.3850

 36.7998, 0.2701,
0.4149


 151.1541, 0.2871,
0.3805

 25.0525, 0.2635,
0.4281


 187.8393, 0.2890,
0.3766

 16.1162, 0.2547,
0.4461

230.0262, 0.2906,
0.3733

 9.6064, 0.2422,
0.4717

278.0992, 0.2921,
0.3705

 5.1388, 0.2230,
0.5111

332.4428, 0.2933,

 2.3289, 0.1901,

0.3679

0.5788

393.4412, 0.2944,
0.3657

0.7890, 0.0000,
1.0000

0.0000, 0.0000,
0.0000

70.2647, 0.2790,
0.3968

70.2647, 0.2790,
0.3968

68.0506, 0.2738,
0.4157

72.9696, 0.2854,
0.3791

66.2874, 0.2703,
0.4352

76.1852, 0.2928,
0.3627


64.9424, 0.2686,
0.4551

79.9408, 0.3008,
0.3478


63.9750, 0.2689,
0.4747

84.2607, 0.3091,
0.3344

 63.3354, 0.2713,
0.4934

 89.1679, 0.3175,
0.3224

 63.0765, 0.2732,
0.5035

 90.2136, 0.3134,
0.3136

Harmonies

Analogous

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



70.2647, 0.3327, 0.4276



70.2647, 0.2790, 0.3968



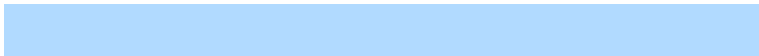
70.2647, 0.2367, 0.3428

Triad

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



70.2647, 0.2790, 0.3968



70.2647, 0.2411, 0.2417



70.2647, 0.4213, 0.3524

Complementary

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



70.2647, 0.2790, 0.3968



38.6809, 0.3704, 0.2711

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.



70.2647, 0.3927, 0.3095



70.2647, 0.2790, 0.3968



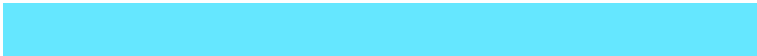
70.2647, 0.2851, 0.2487

Square

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



70.2647, 0.2790, 0.3968



70.2647, 0.2168, 0.2550



70.2647, 0.3410, 0.2729



70.2647, 0.4170, 0.3940

Rectangle

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



70.2647, 0.2790, 0.3968



70.2647, 0.2198, 0.3062



70.2647, 0.3410, 0.2729



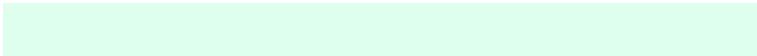
70.2647, 0.4152, 0.3379

Sweetspot

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



70.2676, 0.2790, 0.3968



93.2236, 0.3018, 0.3459



74.0916, 0.3413, 0.4533



19.7316, 0.3000, 0.3491



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.



70.2676, 0.2790, 0.3968



79.1073, 0.2744, 0.4134



72.8508, 0.2538, 0.3309



17.7882, 0.3048, 0.3411



34.8836, 0.2724, 0.5007



2.9221, 0.2657, 0.4767

Inverse Universe

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



38.6809, 0.3704, 0.2711



38.2641, 0.3878, 0.2605



36.8777, 0.4292, 0.3274



15.8907, 0.3215, 0.3172



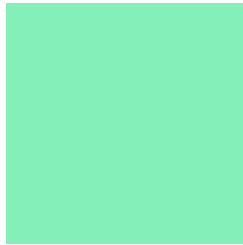
10.9109, 0.4958, 0.2505



0.9278, 0.4665, 0.2344

Previews

White Background



This preview shows how the Yxy color 70.2647, 0.2790, 0.3968 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 70.2647, 0.2790, 0.3968 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 70.2647, 0.2790, 0.3968

Background



This preview shows how black text looks on a background with the Yxy color 70.2647, 0.2790, 0.3968.



This preview shows how white text looks on a background with the Yxy color 70.2647, 0.2790, 0.3968.

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

70.2647, 0.2790, 0.3968

Protanopia

69.5438, 0.3518, 0.3754

Deuteranopia

69.1809, 0.3545, 0.3470



Tritanopia

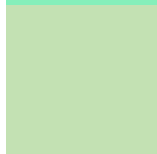
70.3809, 0.2540, 0.3079

Trichromacy



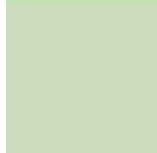
Original Color

70.2647, 0.2790, 0.3968



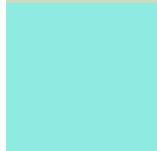
Protanomaly

68.7072, 0.3213, 0.3835



Deuteranomaly

68.0259, 0.3226, 0.3637



Tritanomaly

70.1763, 0.2628, 0.3386

Monochromacy



Original Color

70.2647, 0.2790, 0.3968



Achromatopsia

58.4078, 0.3127, 0.3290



Achromatomaly

61.8165, 0.2974, 0.3524

CSS Examples

Text

The CSS property to change the color of the text to Yxy 70.2647, 0.2790, 0.3968 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(133, 239, 186)` looks like.

```
.text, #text, p{  
    color:rgb(133, 239, 186)  
}
```

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(133, 239, 186) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(133, 239, 186) }
```

Border

The CSS property to change the border of an element to Yxy 70.2647, 0.2790, 0.3968 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(133, 239, 186) }
```

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

```
.border{ border-color:rgb(133, 239, 186) }
```

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

Here you see how a box with a 4 pixel `rgb(133, 239, 186)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(133, 239, 186); -webkit-box-  
shadow:4px 4px 4px 4px rgb(133, 239, 186);  
box-shadow:4px 4px 4px 4px rgb(133, 239,  
186) }
```


Background

The CSS property to change the background color of an element to Yxy 70.2647, 0.2790, 0.3968 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(133, 239, 186) }
```

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

```
.background{ background-color: rgb(133,  
239, 186) }
```

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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