

Converting Colors

$Yxy(70.3594, 0.2763, 0.4241)$

Have a look what the booklet for
Yxy(70.3594, 0.2763, 0.4241)
contains.

Yxy(70.3565, 0.2763, 0.4241)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(70.3565, 0.2763, 0.4241)

Conversions

Conversions Part 1

Format	Color
Hex	6EF3AB
RGB	110, 243, 171
RGB Percent	43%, 95%, 67%
CMY	0.5685, 0.0471, 0.3293
CMYK	0.55, 0.00, 0.30, 0.05
HSL	148°, 85%, 69%
HSV	148°, 55%, 95%
XYZ	45.8371, 70.3565, 49.7024
YIQ	195.0250, -56.1560, -50.5880

Conversions

Conversions Part 2

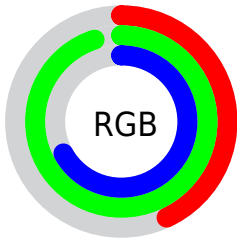
Format	Color
RYB	110, 201, 243
Decimal	7271339
CIELab	87.17, -52.61, 23.89
CIElCh	87, 57.775, 155.577
Yxy	70.3565, 0.2763, 0.4241
Android (android.graphics.Color)	4285461419 (0xFF6EF3AB)
YUV	195.0250, -11.8443, -74.5669
Hunter-Lab	83.8788, -49.2433, 23.5828

Details

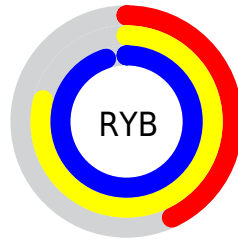
The Yxy color **70.3565, 0.2763, 0.4241** is a light color, and the websafe version is hex **66FFCC**. A complement of this color would be **33.5941, 0.3844, 0.2533**, and the grayscale version is **54.6947, 0.3127, 0.3290**.

A 20% lighter version of the original color is **85.6121, 0.2787, 0.3604**, and **36.9181, 0.2662, 0.4512** is the 20% darker color. If you saturate the color by 10%, you get **68.5308, 0.2731, 0.4454**, and if you desaturate by 10%, it is **72.6652, 0.2810, 0.4035**.

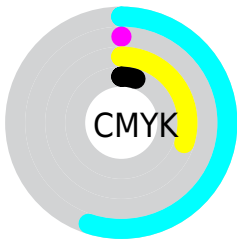
Distribution



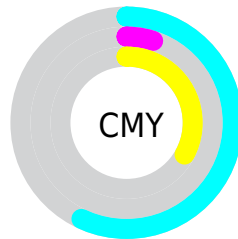
- Red (43%)
- Green (95%)
- Blue (67%)



- Red (43%)
- Yellow (79%)
- Blue (95%)



- Cyan (55%)
- Magenta (0%)
- Yellow (30%)
- Black (5%)





- Cyan (57%)
- Magenta (5%)
- Yellow (33%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 70.3565, 0.2763, 0.4241 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 70.3565, 0.2763, 0.4241 by changing the saturation by 10% instead.

 70.3565, 0.2763,
0.4241


 70.3565, 0.2763,
0.4241

461.8007, 0.2946,
0.3770


 51.8172, 0.2717,
0.4356


 119.7170, 0.2830,
0.4071

 36.8594, 0.2659,
0.4503


 151.3070, 0.2855,
0.4007

 25.0987, 0.2581,
0.4695


 188.0161, 0.2876,
0.3953

 16.1506, 0.2475,
0.4957

230.2286, 0.2894,
0.3906

 9.6308, 0.2319,
0.5334

278.3289, 0.2910,
0.3865

 5.1548, 0.2074,
0.5911


332.7014, 0.2923,

 2.3384, 0.1603,


0.3830


0.7171


393.7306, 0.2935,
0.3798


 0.7939, 0.0000,
1.0000


 0.0000, 0.0000,
0.0000

 70.3565, 0.2763,
0.4241


 70.3565, 0.2763,
0.4241


 68.5308, 0.2731,
0.4454


 72.6652, 0.2810,
0.4035


 67.1421, 0.2718,
0.4669


 75.4814, 0.2870,
0.3841

 66.1502, 0.2725,
0.4879


 78.8383, 0.2939,
0.3662

 65.5024, 0.2752,
0.5076

 82.7633, 0.3013,
0.3499

 65.2580, 0.2771,
0.5174

 87.2825, 0.3090,
0.3353

 92.2595, 0.3163,
0.3223

 92.5804, 0.3133,
0.3175

Harmonies

Analogous

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



70.3565, 0.3437, 0.4577



70.3565, 0.2763, 0.4241



70.3565, 0.2223, 0.3543

Triad

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



70.3565, 0.2763, 0.4241



70.3565, 0.2188, 0.2217



70.3565, 0.4483, 0.3490

Complementary

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



70.3565, 0.2763, 0.4241



33.5941, 0.3844, 0.2533

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.



70.3565, 0.4077, 0.2978



70.3565, 0.2763, 0.4241



70.3565, 0.2699, 0.2282

Square

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



70.3565, 0.2763, 0.4241



70.3565, 0.1929, 0.2396



70.3565, 0.3392, 0.2552



70.3565, 0.4462, 0.4012

Rectangle

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



70.3565, 0.2763, 0.4241



70.3565, 0.2001, 0.3060



70.3565, 0.3392, 0.2552



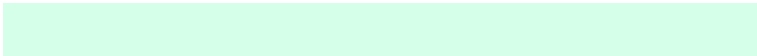
70.3565, 0.4392, 0.3314

Sweetspot

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



70.3594, 0.2763, 0.4241



91.7244, 0.3003, 0.3520



75.3152, 0.3485, 0.4822



19.4318, 0.2987, 0.3553



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.



70.3594, 0.2763, 0.4241



76.2082, 0.2728, 0.4486



73.4948, 0.2461, 0.3369



18.5985, 0.3053, 0.3421



35.8429, 0.2763, 0.5145



3.1707, 0.2696, 0.4905

Inverse Universe

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



33.5941, 0.3844, 0.2533



31.2347, 0.4076, 0.2418



31.4929, 0.4684, 0.3226



16.6326, 0.3209, 0.3163



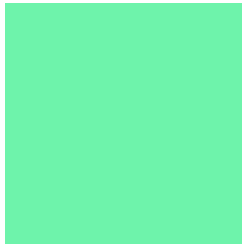
11.3931, 0.4785, 0.2410



1.0221, 0.4533, 0.2271

Previews

White Background



This preview shows how the Yxy color 70.3565, 0.2763, 0.4241 looks on a white background.

Color Contrast Check

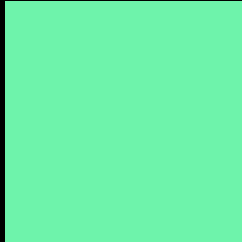
Large Text (above 18pt) WCAG AA × Fail

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 70.3565, 0.2763, 0.4241 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

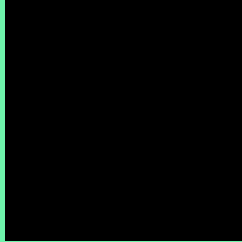
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 70.3565, 0.2763, 0.4241

Background



This preview shows how black text looks on a background with the Yxy color 70.3565, 0.2763, 0.4241.

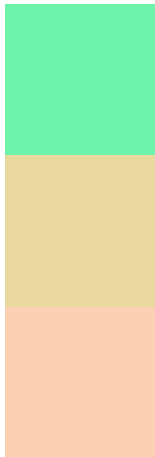


This preview shows how white text looks on a background with the Yxy color 70.3565, 0.2763, 0.4241.

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

70.3565, 0.2763, 0.4241

Protanopia

69.4525, 0.3656, 0.3926

Deuteranopia

68.8757, 0.3679, 0.3595



Tritanopia

70.2294, 0.2463, 0.3076

Trichromacy



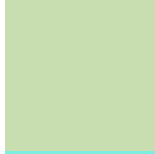
Original Color

70.3565, 0.2763, 0.4241



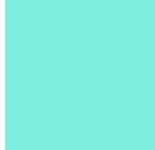
Protanomaly

67.7284, 0.3264, 0.4053



Deuteranomaly

67.1269, 0.3274, 0.3822



Tritanomaly

70.2023, 0.2570, 0.3475

Monochromacy



Original Color

70.3565, 0.2763, 0.4241



Achromatopsia

54.5724, 0.3127, 0.3290



Achromatomaly

58.5247, 0.2955, 0.3624

CSS Examples

Text

The CSS property to change the color of the text to Yxy 70.3565, 0.2763, 0.4241 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(110, 243, 171)` looks like.

```
.text, #text, p{  
    color:rgb(110, 243, 171)  
}
```

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(110, 243, 171) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(110, 243, 171) }
```

Border

The CSS property to change the border of an element to Yxy 70.3565, 0.2763, 0.4241 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(110, 243, 171) }
```

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

```
.border{ border-color:rgb(110, 243, 171) }
```

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

Here you see how a box with a 4 pixel `rgb(110, 243, 171)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(110, 243, 171); -webkit-box-  
shadow:4px 4px 4px 4px rgb(110, 243, 171);  
box-shadow:4px 4px 4px 4px rgb(110, 243,  
171) }
```


Background

The CSS property to change the background color of an element to Yxy 70.3565, 0.2763, 0.4241 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(110, 243, 171) }
```

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

```
.background{ background-color: rgb(110,  
243, 171) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor