

Converting Colors

$Yxy(69.9788, 0.2541, 0.4029)$

Have a look what the booklet for
Yxy(69.9788, 0.2541, 0.4029)
contains.

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Color

Yxy(70.2079, 0.2544, 0.4040)

Conversions

Conversions Part 1

Format	Color
Hex	44F5BD
RGB	68, 245, 189
RGB Percent	27%, 96%, 74%
CMY	0.7342, 0.0391, 0.2588
CMYK	0.72, 0.00, 0.23, 0.04
HSL	161°, 90%, 61%
HSV	161°, 72%, 96%
XYZ	44.2101, 70.2079, 59.3639
YIQ	185.6930, -87.5160, -54.9400

Conversions

Conversions Part 2

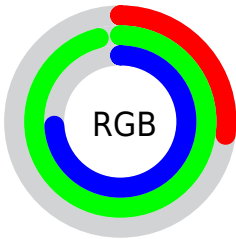
Format	Color
RYB	68, 173, 245
Decimal	4519357
CIELab	87.10, -56.99, 14.37
CIELCh	87, 58.771, 165.848
Yxy	70.2079, 0.2544, 0.4040
Android (android.graphics.Color)	4282709437 (0xFF44F5BD)
YUV	185.6930, 1.6304, -103.2168
Hunter-Lab	83.7902, -52.4510, 16.6471

Details

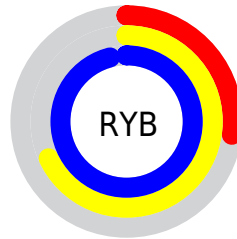
The Yxy color **70.2079, 0.2544, 0.4040** is a light color, and the websafe version is hex **33FFCC**. The color can be described as light washed spring green. A complement of this color would be **24.9747, 0.4823, 0.2779**, and the grayscale version is **48.9177, 0.3127, 0.3290**.

A 20% lighter version of the original color is **83.5158, 0.2556, 0.3403**, and **37.7440, 0.2504, 0.4214** is the 20% darker color. If you saturate the color by 10%, you get **69.1817, 0.2529, 0.4162**, and if you desaturate by 10%, it is **71.6250, 0.2580, 0.3919**.

Distribution



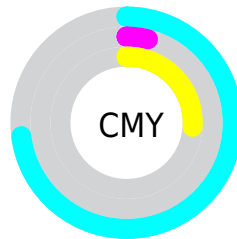
- Red (27%)
- Green (96%)
- Blue (74%)



- Red (27%)
- Yellow (68%)
- Blue (96%)



- Cyan (72%)
- Magenta (0%)
- Yellow (23%)
- Black (4%)





- Cyan (73%)
- Magenta (4%)
- Yellow (26%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 70.2079, 0.2544, 0.4040 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 70.2079, 0.2544, 0.4040 by changing the saturation by 10% instead.


 70.2079, 0.2544,
0.4040

 70.2079, 0.2544,
0.4040


461.2796, 0.2822,
0.3674


 51.6960, 0.2478,
0.4129

 119.5052, 0.2642,
0.3909


 36.7629, 0.2397,
0.4241


 151.0594, 0.2680,
0.3859

 25.0239, 0.2292,
0.4387

 187.7299, 0.2712,
0.3817

 16.0949, 0.2152,
0.4584

 229.9010, 0.2740,
0.3780

 9.5913, 0.1959,
0.4866

277.9571, 0.2765,
0.3748

 5.1288, 0.1677,
0.5296

332.2827, 0.2786,

 2.3231, 0.1076,

0.3720

0.6129

393.2620, 0.2805,
0.3696

0.7859, 0.0000,
1.0000

0.0000, 0.0000,
0.0000

70.2079, 0.2544,
0.4040

70.2079, 0.2544,
0.4040

69.1817, 0.2529,
0.4162

71.6250, 0.2580,
0.3919

68.4884, 0.2534,
0.4284


73.4658, 0.2634,
0.3800


68.1265, 0.2549,
0.4375

75.7690, 0.2706,
0.3687

78.5662, 0.2791,
0.3580

 81.8867, 0.2888,
0.3481

 85.7570, 0.2992,
0.3390

 90.2021, 0.3101,
0.3308

 93.5374, 0.3156,
0.3233

 93.7952, 0.3132,
0.3195

Harmonies

Analogous

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



70.2079, 0.3202, 0.4543



70.2079, 0.2544, 0.4040



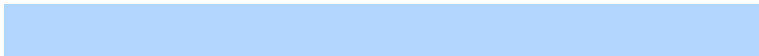
70.2079, 0.2077, 0.3286

Triad

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



70.2079, 0.2544, 0.4040



70.2079, 0.2323, 0.2198



70.2079, 0.4550, 0.3675

Complementary

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



70.2079, 0.2544, 0.4040



24.9747, 0.4823, 0.2779

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.



70.2079, 0.4280, 0.3144



70.2079, 0.2544, 0.4040



70.2079, 0.2918, 0.2339

Square

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



70.2079, 0.2544, 0.4040



70.2079, 0.1971, 0.2289



70.2079, 0.3650, 0.2674



70.2079, 0.4380, 0.4189

Rectangle

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



70.2079, 0.2544, 0.4040



70.2079, 0.1917, 0.2834



70.2079, 0.3650, 0.2674



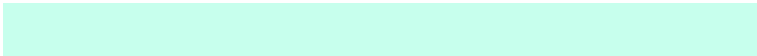
70.2079, 0.4509, 0.3495

Sweetspot

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



70.2107, 0.2544, 0.4040



89.7785, 0.2891, 0.3478



70.0085, 0.3262, 0.5438



18.9913, 0.2863, 0.3504



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.



70.2107, 0.2544, 0.4040



75.3435, 0.2529, 0.4222



55.1650, 0.2209, 0.2866



18.6634, 0.3023, 0.3366



36.7215, 0.2543, 0.4356



3.2460, 0.2501, 0.4205

Inverse Universe

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



24.9747, 0.4823, 0.2779



23.3408, 0.5353, 0.2823



28.9986, 0.5341, 0.3579



16.5688, 0.3244, 0.3215



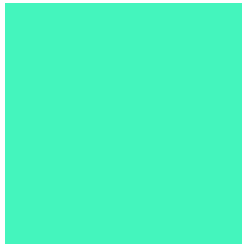
10.7720, 0.5706, 0.2917



0.9646, 0.5353, 0.2723

Previews

White Background



This preview shows how the Yxy color 70.2079, 0.2544, 0.4040 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 70.2079, 0.2544, 0.4040 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

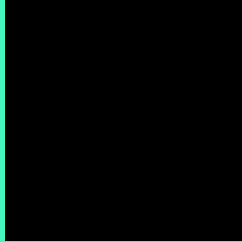
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 70.2079, 0.2544, 0.4040

Background



This preview shows how black text looks on a background with the Yxy color 70.2079, 0.2544, 0.4040.

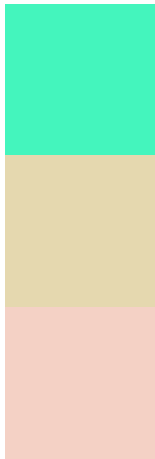


This preview shows how white text looks on a background with the Yxy color 70.2079, 0.2544, 0.4040.

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

70.2079, 0.2544, 0.4040

Protanopia

68.8649, 0.3513, 0.3744

Deuteranopia

68.8652, 0.3484, 0.3418



Tritanopia

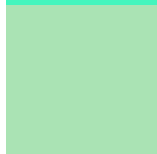
69.9776, 0.2336, 0.3060

Trichromacy



Original Color

70.2079, 0.2544, 0.4040



Protanomaly

66.7795, 0.3033, 0.3874



Deuteranomaly

65.8409, 0.3015, 0.3630



Tritanomaly

69.6264, 0.2405, 0.3389

Monochromacy



Original Color

70.2079, 0.2544, 0.4040



Achromatopsia

49.1021, 0.3127, 0.3290



Achromatomaly

54.0531, 0.2806, 0.3559

CSS Examples

Text

The CSS property to change the color of the text to Yxy 70.2079, 0.2544, 0.4040 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(68, 245, 189)` looks like.

```
.text, #text, p{  
    color:rgb(68, 245, 189)  
}
```

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(68, 245, 189) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(68, 245, 189) }
```

Border

The CSS property to change the border of an element to Yxy 70.2079, 0.2544, 0.4040 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(68, 245, 189) }
```

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

```
.border{ border-color:rgb(68, 245, 189) }
```

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

Here you see how a box with a 4 pixel rgb(68, 245, 189) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(68, 245, 189); -webkit-box-  
shadow:4px 4px 4px 4px rgb(68, 245, 189);  
box-shadow:4px 4px 4px 4px rgb(68, 245,  
189) }
```


Background

The CSS property to change the background color of an element to Yxy 70.2079, 0.2544, 0.4040 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(68, 245, 189) }
```

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

```
.background{ background-color: rgb(68, 245,  
189) }
```

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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