

Converting Colors

$Y_{xy}(70.0065, 0.2593, 0.4415)$

Have a look what the booklet for
Yxy(70.0065, 0.2593, 0.4415)
contains.

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Color

Yxy(70.3000, 0.2594, 0.4421)

Conversions

Conversions Part 1

Format	Color
Hex	26F8A6
RGB	38, 248, 166
RGB Percent	15%, 97%, 65%
CMY	0.8510, 0.0274, 0.3491
CMYK	0.85, 0.00, 0.33, 0.03
HSL	157°, 94%, 56%
HSV	157°, 85%, 97%
XYZ	41.2482, 70.3000, 47.4656
YIQ	175.8620, -98.8380, -70.0220

Conversions

Conversions Part 2

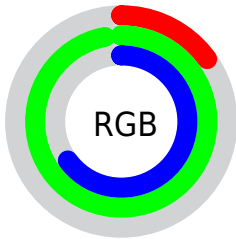
Format	Color
R_{YB}	38, 168, 248
Decimal	2554022
CIE _{Lab}	87.14, -66.03, 26.19
CIE _{LCh}	87, 71.036, 158.369
Yxy	70.3000, 0.2594, 0.4421
Android (android.graphics.Color)	4280744102 (0xFF26F8A6)
YUV	175.8620, -4.8620, -120.9050
Hunter-Lab	83.8451, -58.9146, 25.1269

Details

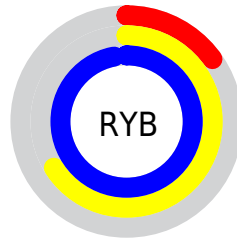
The Yxy color **70.3000, 0.2594, 0.4421** is a light color, and the websafe version is hex **33FF99**. The color can be described as light washed spring green. A complement of this color would be **22.6992, 0.5012, 0.2658**, and the grayscale version is **43.4039, 0.3127, 0.3290**.

A 20% lighter version of the original color is **80.9514, 0.2602, 0.3697**, and **38.0418, 0.2628, 0.4661** is the 20% darker color. If you saturate the color by 10%, you get **69.6358, 0.2610, 0.4571**, and if you desaturate by 10%, it is **71.3097, 0.2598, 0.4267**.

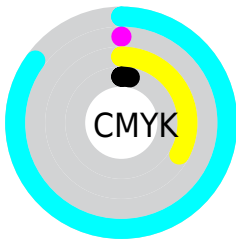
Distribution



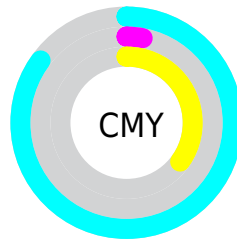
- Red (15%)
- Green (97%)
- Blue (65%)



- Red (15%)
- Yellow (66%)
- Blue (97%)



- Cyan (85%)
- Magenta (0%)
- Yellow (33%)
- Black (3%)




- Cyan (85%)
- Magenta (3%)
- Yellow (35%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 70.3000, 0.2594, 0.4421 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 70.3000, 0.2594, 0.4421 by changing the saturation by 10% instead.

 70.3000, 0.2594,
0.4421


 70.3000, 0.2594,
0.4421

461.6027, 0.2860,
0.3856

 51.7711, 0.2528,
0.4561

 119.6365, 0.2690,
0.4216


 36.8227, 0.2445,
0.4738


 151.2129, 0.2727,
0.4139


 25.0702, 0.2335,
0.4972


 187.9073, 0.2757,
0.4074

 16.1294, 0.2185,
0.5291

 230.1040, 0.2784,
0.4018

 9.6158, 0.1970,
0.5749

 278.1876, 0.2807,
0.3969

 5.1449, 0.1644,
0.6447


332.5422, 0.2827,

 2.3326, 0.0695,


0.3927


0.8451


393.5525, 0.2844,
0.3889

 0.7909, 0.0000,
1.0000


 0.0000, 0.0000,
0.0000


 70.3000, 0.2594,
0.4421


 70.3000, 0.2594,
0.4421

 69.6358, 0.2610,
0.4571


 71.3097, 0.2598,
0.4267


 69.3775, 0.2625,
0.4649


 72.7109, 0.2622,
0.4114


 74.5508, 0.2666,
0.3963


 76.8675, 0.2727,
0.3819

 79.6950, 0.2803,
0.3682

 83.0641, 0.2889,
0.3556

 87.0031, 0.2982,
0.3440

 91.5381, 0.3080,
0.3335

 95.4999, 0.3141,
0.3241

Harmonies

Analogous

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



70.3000, 0.3393, 0.4884



70.3000, 0.2594, 0.4421



70.3000, 0.1985, 0.3500

Triad

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



70.3000, 0.2594, 0.4421



70.3000, 0.2047, 0.2010



70.3000, 0.4807, 0.3549

Complementary

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



70.3000, 0.2594, 0.4421



22.6992, 0.5012, 0.2658

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.



70.3000, 0.4360, 0.2953



70.3000, 0.2594, 0.4421



70.3000, 0.2670, 0.2115

Square

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



70.3000, 0.2594, 0.4421



70.3000, 0.1722, 0.2174



70.3000, 0.3526, 0.2449



70.3000, 0.4704, 0.4168

Rectangle

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



70.3000, 0.2594, 0.4421



70.3000, 0.1755, 0.2909



70.3000, 0.3526, 0.2449



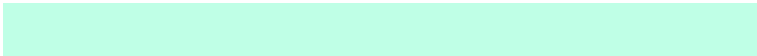
70.3000, 0.4718, 0.3345

Sweetspot

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



70.3028, 0.2594, 0.4421



88.3478, 0.2885, 0.3560



71.4153, 0.3309, 0.5634



18.6269, 0.2854, 0.3603



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.



70.3028, 0.2594, 0.4421



73.9006, 0.2625, 0.4652



62.1298, 0.2197, 0.3019



19.4870, 0.3033, 0.3384



37.5043, 0.2618, 0.4626



3.4943, 0.2569, 0.4448

Inverse Universe

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



22.6992, 0.5012, 0.2658



22.1720, 0.5465, 0.2784



23.2244, 0.5972, 0.3414



17.3375, 0.3232, 0.3198



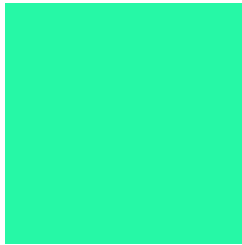
11.2708, 0.5420, 0.2760



1.0640, 0.5101, 0.2584

Previews

White Background



This preview shows how the Yxy color 70.3000, 0.2594, 0.4421 looks on a white background.

Color Contrast Check

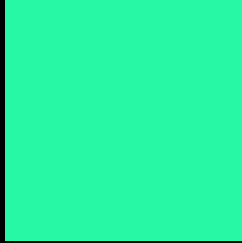
Large Text (above 18pt) WCAG AA × Fail

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 70.3000, 0.2594, 0.4421 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

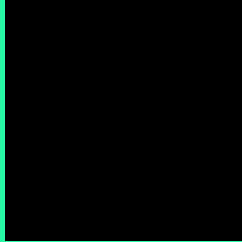
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 70.3000, 0.2594, 0.4421

Background



This preview shows how black text looks on a background with the Yxy color 70.3000, 0.2594, 0.4421.



This preview shows how white text looks on a background with the Yxy color 70.3000, 0.2594, 0.4421.

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

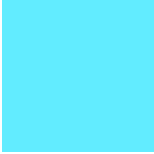
70.3000, 0.2594, 0.4421

Protanopia

68.7024, 0.3708, 0.3991

Deuteranopia

68.7161, 0.3709, 0.3637



Tritanopia

69.8076, 0.2326, 0.3059

Trichromacy



Original Color

70.3000, 0.2594, 0.4421



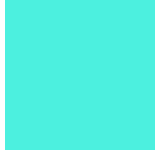
Protanomaly

65.6025, 0.3117, 0.4197



Deuteranomaly

64.7526, 0.3111, 0.3928



Tritanomaly

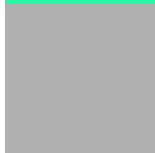
69.1844, 0.2405, 0.3506

Monochromacy



Original Color

70.3000, 0.2594, 0.4421



Achromatopsia

43.4154, 0.3127, 0.3290



Achromatomaly

49.6552, 0.2785, 0.3720

CSS Examples

Text

The CSS property to change the color of the text to Yxy 70.3000, 0.2594, 0.4421 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(38, 248, 166)` looks like.

```
.text, #text, p{  
    color:rgb(38, 248, 166)  
}
```

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(38, 248, 166) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(38, 248, 166) }
```

Border

The CSS property to change the border of an element to Yxy 70.3000, 0.2594, 0.4421 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(38, 248, 166) }
```

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

```
.border{ border-color:rgb(38, 248, 166) }
```

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

Here you see how a box with a 4 pixel `rgb(38, 248, 166)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(38, 248, 166); -webkit-box-  
shadow:4px 4px 4px 4px rgb(38, 248, 166);  
box-shadow:4px 4px 4px 4px rgb(38, 248,  
166) }
```


Background

The CSS property to change the background color of an element to Yxy 70.3000, 0.2594, 0.4421 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(38, 248, 166) }
```

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

```
.background{ background-color: rgb(38, 248,  
166) }
```

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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