

Converting Colors

$Y_{xy}(69.9511, 0.2526, 0.4034)$

Have a look what the booklet for
Yxy(69.9511, 0.2526, 0.4034)
contains.

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Color

Yxy(70.0146, 0.2524, 0.4028)

Conversions

Conversions Part 1

Format	Color
Hex	3DF5BE
RGB	61, 245, 190
RGB Percent	24%, 96%, 75%
CMY	0.7609, 0.0392, 0.2548
CMYK	0.75, 0.00, 0.22, 0.04
HSL	162°, 90%, 60%
HSV	162°, 75%, 96%
XYZ	43.8721, 70.0146, 59.9331
YIQ	183.7140, -92.0090, -56.1130

Conversions

Conversions Part 2

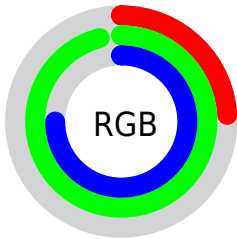
Format	Color
RYB	61, 169, 245
Decimal	4060606
CIELab	87.00, -57.57, 13.69
CIELCh	87, 59.173, 166.627
Yxy	70.0146, 0.2524, 0.4028
Android (android.graphics.Color)	4282250686 (0xFF3DF5BE)
YUV	183.7140, 3.0990, -107.6202
Hunter-Lab	83.6747, -52.8401, 16.1051

Details

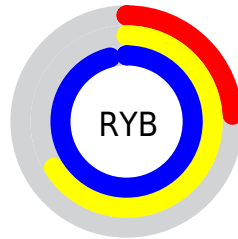
The Yxy color **70.0146, 0.2524, 0.4028** is a light color, and the websafe version is hex **33FFCC**. The color can be described as light washed spring green. A complement of this color would be **24.0078, 0.4974, 0.2812**, and the grayscale version is **47.7858, 0.3127, 0.3290**.

A 20% lighter version of the original color is **83.2422, 0.2535, 0.3391**, and **37.7726, 0.2499, 0.4195** is the 20% darker color. If you saturate the color by 10%, you get **69.0976, 0.2513, 0.4143**, and if you desaturate by 10%, it is **71.3079, 0.2555, 0.3913**.

Distribution



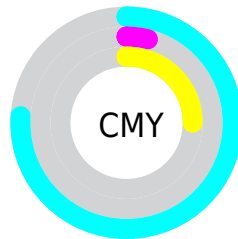
- Red (24%)
- Green (96%)
- Blue (75%)



- Red (24%)
- Yellow (66%)
- Blue (96%)



- Cyan (75%)
- Magenta (0%)
- Yellow (22%)
- Black (4%)





- Cyan (76%)
- Magenta (4%)
- Yellow (25%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 70.0146, 0.2524, 0.4028 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 70.0146, 0.2524, 0.4028 by changing the saturation by 10% instead.

 70.0146, 0.2524,
0.4028

 70.0146, 0.2524,
0.4028


460.6013, 0.2811,
0.3668

 51.5384, 0.2457,
0.4115


 119.2296, 0.2625,
0.3899


 36.6373, 0.2372,
0.4225

 150.7372, 0.2664,
0.3850

 24.9268, 0.2265,
0.4368


 187.3574, 0.2697,
0.3809

 16.0225, 0.2122,
0.4562

 229.4746, 0.2726,
0.3773

 9.5401, 0.1925,
0.4838

277.4732, 0.2752,
0.3741

 5.0951, 0.1638,
0.5258

331.7376, 0.2774,

 2.3032, 0.1014,

0.3714

0.6084

392.6521, 0.2794,
0.3690

0.7754, 0.0000,
1.0000

0.0000, 0.0000,
0.0000

70.0146, 0.2524,
0.4028

70.0146, 0.2524,
0.4028

69.0976, 0.2513,
0.4143

71.3079, 0.2555,
0.3913


68.4956, 0.2522,
0.4257


73.0122, 0.2606,
0.3801


68.2785, 0.2531,
0.4311

75.1674, 0.2675,
0.3693


77.8062, 0.2759,
0.3591

 80.9583, 0.2854,
0.3495

 84.6509, 0.2959,
0.3408

 88.9095, 0.3069,
0.3328

 93.3804, 0.3170,
0.3256

 93.7870, 0.3132,
0.3194

Harmonies

Analogous

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



70.0146, 0.3183, 0.4546



70.0146, 0.2524, 0.4028



70.0146, 0.2060, 0.3266

Triad

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



70.0146, 0.2524, 0.4028



70.0146, 0.2330, 0.2191



70.0146, 0.4561, 0.3690

Complementary

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



70.0146, 0.2524, 0.4028



24.0078, 0.4974, 0.2812

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.



70.0146, 0.4301, 0.3155



70.0146, 0.2524, 0.4028



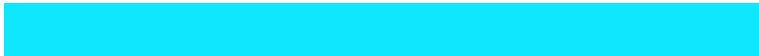
70.0146, 0.2934, 0.2339

Square

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



70.0146, 0.2524, 0.4028



70.0146, 0.1970, 0.2276



70.0146, 0.3673, 0.2680



70.0146, 0.4379, 0.4207

Rectangle

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



70.0146, 0.2524, 0.4028



70.0146, 0.1905, 0.2815



70.0146, 0.3673, 0.2680



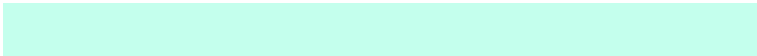
70.0146, 0.4525, 0.3510

Sweetspot

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



70.0174, 0.2524, 0.4028



89.4453, 0.2875, 0.3477



69.3693, 0.3238, 0.5517



18.8537, 0.2839, 0.3510



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.



70.0174, 0.2524, 0.4028



75.2971, 0.2515, 0.4201



52.7925, 0.2179, 0.2805



18.6685, 0.3020, 0.3362



36.8074, 0.2526, 0.4293



3.2531, 0.2486, 0.4151

Inverse Universe

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



24.0078, 0.4974, 0.2812



22.7860, 0.5514, 0.2880



28.4443, 0.5428, 0.3604



16.5640, 0.3247, 0.3220



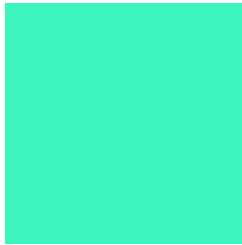
10.7396, 0.5769, 0.2951



0.9613, 0.5414, 0.2756

Previews

White Background



This preview shows how the Yxy color 70.0146, 0.2524, 0.4028 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 70.0146, 0.2524, 0.4028 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 70.0146, 0.2524, 0.4028

Background



This preview shows how black text looks on a background with the Yxy color 70.0146, 0.2524, 0.4028.



This preview shows how white text looks on a background with the Yxy color 70.0146, 0.2524, 0.4028.

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

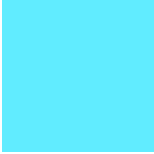
70.0146, 0.2524, 0.4028

Protanopia

68.3540, 0.3515, 0.3734

Deuteranopia

68.2437, 0.3470, 0.3397



Tritanopia

69.7523, 0.2323, 0.3059

Trichromacy



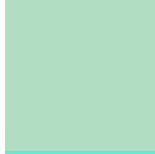
Original Color

70.0146, 0.2524, 0.4028



Protanomaly

66.0128, 0.3020, 0.3865



Deuteranomaly

65.0001, 0.2988, 0.3608



Tritanomaly

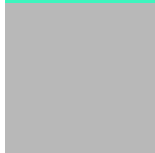
69.3873, 0.2391, 0.3389

Monochromacy



Original Color

70.0146, 0.2524, 0.4028



Achromatopsia

47.9320, 0.3127, 0.3290



Achromatomaly

53.1768, 0.2785, 0.3562

CSS Examples

Text

The CSS property to change the color of the text to Yxy 70.0146, 0.2524, 0.4028 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(61, 245, 190)` looks like.

```
.text, #text, p{  
    color:rgb(61, 245, 190)  
}
```

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(61, 245, 190) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(61, 245, 190) }
```

Border

The CSS property to change the border of an element to Yxy 70.0146, 0.2524, 0.4028 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(61, 245, 190) }
```

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

```
.border{ border-color:rgb(61, 245, 190) }
```

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

Here you see how a box with a 4 pixel rgb(61, 245, 190) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(61, 245, 190); -webkit-box-  
shadow:4px 4px 4px 4px rgb(61, 245, 190);  
box-shadow:4px 4px 4px 4px rgb(61, 245,  
190) }
```


Background

The CSS property to change the background color of an element to $\text{Yxy } 70.0146, 0.2524, 0.4028$ is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(61, 245, 190) }
```

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

```
.background{ background-color: rgb(61, 245,  
190) }
```

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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