

Converting Colors

$Yxy(70.6304, 0.2605, 0.4186)$

Have a look what the booklet for
Yxy(70.6304, 0.2605, 0.4186)
contains.

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Color

Yxy(70.6221, 0.2606, 0.4191)

Conversions

Conversions Part 1

Format	Color
Hex	4AF6B3
RGB	74, 246, 179
RGB Percent	29%, 96%, 70%
CMY	0.7101, 0.0353, 0.2980
CMYK	0.70, 0.00, 0.27, 0.04
HSL	157°, 91%, 63%
HSV	157°, 70%, 96%
XYZ	43.9134, 70.6221, 53.9734
YIQ	186.9340, -81.0050, -57.3010

Conversions

Conversions Part 2

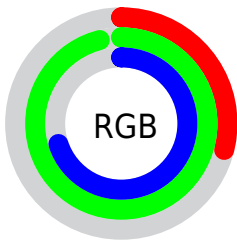
Format	Color
RYB	74, 181, 246
Decimal	4912819
CIELab	87.30, -58.73, 19.82
CIELCh	87, 61.982, 161.350
Yxy	70.6221, 0.2606, 0.4191
Android (android.graphics.Color)	4283102899 (0xFF4AF6B3)
YUV	186.9340, -3.9115, -99.0431
Hunter-Lab	84.0370, -53.7897, 20.7464

Details

The Yxy color **70.6221, 0.2606, 0.4191** 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 **26.4029, 0.4547, 0.2653**, and the grayscale version is **49.7024, 0.3127, 0.3290**.

A 20% lighter version of the original color is **83.2689, 0.2617, 0.3520**, and **37.4728, 0.2557, 0.4406** is the 20% darker color. If you saturate the color by 10%, you get **69.4588, 0.2592, 0.4344**, and if you desaturate by 10%, it is **72.1993, 0.2640, 0.4039**.

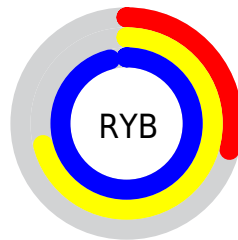
Distribution



Red (29%)

Green (96%)

Blue (70%)



Red (29%)

Yellow (71%)

Blue (96%)

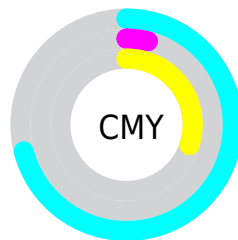


Cyan (70%)

Magenta (0%)

Yellow (27%)

Black (4%)



Cyan (71%)


Magenta (4%)

Yellow (30%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 70.6221, 0.2606, 0.4191 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 70.6221, 0.2606, 0.4191 by changing the saturation by 10% instead.


 70.6221, 0.2606,
0.4191


 70.6221, 0.2606,
0.4191


462.7313, 0.2860,
0.3746

 52.0339, 0.2545,
0.4300


 120.0955, 0.2697,
0.4031


 37.0321, 0.2468,
0.4437


 151.7494, 0.2731,
0.3971

 25.2323, 0.2368,
0.4618

 188.5274, 0.2760,
0.3919

 16.2502, 0.2234,
0.4863

 230.8138, 0.2786,
0.3875

 9.7014, 0.2045,
0.5216

278.9929, 0.2808,
0.3837

 5.2014, 0.1761,
0.5756

333.4493, 0.2827,

 2.3659, 0.1120,

0.3803

0.6853

394.5673, 0.2844,
0.3773

0.8083, 0.0000,
1.0000

0.0000, 0.0000,
0.0000

70.6221, 0.2606,
0.4191

70.6221, 0.2606,
0.4191

69.4588, 0.2592,
0.4344

72.1993, 0.2640,
0.4039

68.6530, 0.2599,
0.4496


74.2222, 0.2693,
0.3891

68.1286, 0.2623,
0.4644


76.7290, 0.2761,
0.3751


68.1262, 0.2623,
0.4644

79.7515, 0.2842,
0.3620

 83.3184, 0.2932,
0.3499

 87.4565, 0.3028,
0.3389

 92.1909, 0.3128,
0.3290

 94.3965, 0.3131,
0.3204

Harmonies

Analogous

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



70.6221, 0.3309, 0.4650



70.6221, 0.2606, 0.4191



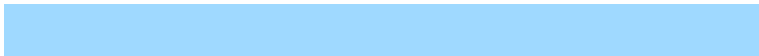
70.6221, 0.2081, 0.3401

Triad

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



70.6221, 0.2606, 0.4191



70.6221, 0.2213, 0.2147



70.6221, 0.4610, 0.3600

Complementary

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



70.6221, 0.2606, 0.4191



26.4029, 0.4547, 0.2653

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.



70.6221, 0.4260, 0.3053



70.6221, 0.2606, 0.4191



70.6221, 0.2799, 0.2261

Square

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



70.6221, 0.2606, 0.4191



70.6221, 0.1889, 0.2278



70.6221, 0.3559, 0.2582



70.6221, 0.4492, 0.4148

Rectangle

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



70.6221, 0.2606, 0.4191



70.6221, 0.1888, 0.2904



70.6221, 0.3559, 0.2582



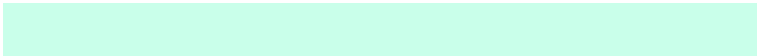
70.6221, 0.4545, 0.3414

Sweetspot

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



70.6249, 0.2606, 0.4191



89.9493, 0.2922, 0.3511



72.2282, 0.3351, 0.5322



19.0146, 0.2896, 0.3544



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.



70.6249, 0.2606, 0.4191



74.9510, 0.2593, 0.4409



64.0354, 0.2274, 0.3071



18.6421, 0.3033, 0.3384



36.3887, 0.2617, 0.4620



3.2183, 0.2565, 0.4434

Inverse Universe

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



26.4029, 0.4547, 0.2653



24.2920, 0.4998, 0.2658



27.5932, 0.5367, 0.3444



16.5893, 0.3232, 0.3198



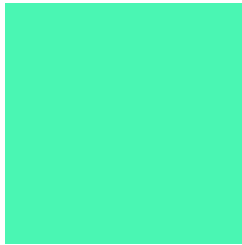
10.9319, 0.5423, 0.2761



0.9803, 0.5087, 0.2576

Previews

White Background



This preview shows how the Yxy color 70.6221, 0.2606, 0.4191 looks on a white background.

Color Contrast Check

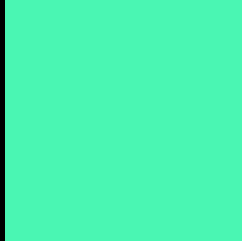
Large Text (above 18pt) WCAG AA × Fail

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 70.6221, 0.2606, 0.4191 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

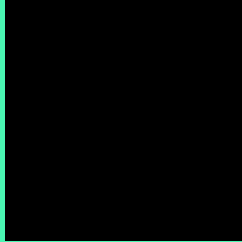
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 70.6221, 0.2606, 0.4191

Background



This preview shows how black text looks on a background with the Yxy color 70.6221, 0.2606, 0.4191.



This preview shows how white text looks on a background with the Yxy color 70.6221, 0.2606, 0.4191.

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

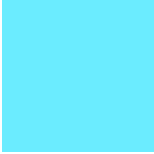
70.6221, 0.2606, 0.4191

Protanopia

68.9842, 0.3608, 0.3851

Deuteranopia

69.1452, 0.3591, 0.3523



Tritanopia

70.3367, 0.2355, 0.3061

Trichromacy



Original Color

70.6221, 0.2606, 0.4191



Protanomaly

66.9544, 0.3128, 0.3996



Deuteranomaly

66.0175, 0.3113, 0.3751



Tritanomaly

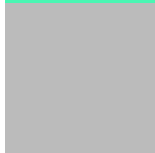
70.2991, 0.2442, 0.3452

Monochromacy



Original Color

70.6221, 0.2606, 0.4191



Achromatopsia

49.6933, 0.3127, 0.3290



Achromatomaly

54.6834, 0.2845, 0.3612

CSS Examples

Text

The CSS property to change the color of the text to Yxy 70.6221, 0.2606, 0.4191 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(74, 246, 179)` looks like.

```
.text, #text, p{  
    color:rgb(74, 246, 179)  
}
```

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(74, 246, 179) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(74, 246, 179) }
```

Border

The CSS property to change the border of an element to Yxy 70.6221, 0.2606, 0.4191 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(74, 246, 179) }
```

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

```
.border{ border-color:rgb(74, 246, 179) }
```

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

Here you see how a box with a 4 pixel `rgb(74, 246, 179)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(74, 246, 179); -webkit-box-  
shadow:4px 4px 4px 4px rgb(74, 246, 179);  
box-shadow:4px 4px 4px 4px rgb(74, 246,  
179) }
```


Background

The CSS property to change the background color of an element to Yxy 70.6221, 0.2606, 0.4191 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(74, 246, 179) }
```

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

```
.background{ background-color: rgb(74, 246,  
179) }
```

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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