

Converting Colors

$Yxy(76.2935, 0.2613, 0.4248)$

Have a look what the booklet for
Yxy(76.2935, 0.2613, 0.4248)
contains.

Yxy(76.3139, 0.2612, 0.4245)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(76.3139, 0.2612, 0.4245)

Conversions

Conversions Part 1

Format	Color
Hex	49FFB6
RGB	73, 255, 182
RGB Percent	29%, 100%, 71%
CMY	0.7132, 0.0000, 0.2863
CMYK	0.71, 0.00, 0.29, 0.00
HSL	156°, 100%, 64%
HSV	156°, 71%, 100%
XYZ	46.9569, 76.3139, 56.5028
YIQ	192.2600, -85.0390, -61.2870

Conversions

Conversions Part 2

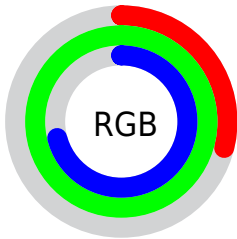
Format	Color
RYB	73, 187, 255
Decimal	4849590
CIELab	90.00, -61.65, 22.05
CIELCh	90, 65.475, 160.321
Yxy	76.3139, 0.2612, 0.4245
Android (android.graphics.Color)	4283039670 (0xFF49FFB6)
YUV	192.2600, -5.0582, -104.5910
Hunter-Lab	87.3578, -56.9283, 22.8018

Details

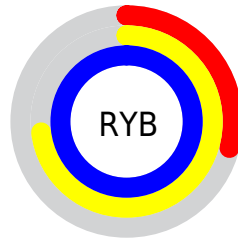
The Yxy color **76.3139, 0.2612, 0.4245** is a light color, and the websafe version is hex **33FFCC**. The color can be described as light washed spring green. A complement of this color would be **28.1214, 0.4561, 0.2627**, and the grayscale version is **52.9612, 0.3127, 0.3290**.

A 20% lighter version of the original color is **83.5327, 0.2608, 0.3484**, and **41.5175, 0.2574, 0.4466** is the 20% darker color. If you saturate the color by 10%, you get **75.1069, 0.2602, 0.4404**, and if you desaturate by 10%, it is **77.9661, 0.2642, 0.4087**.

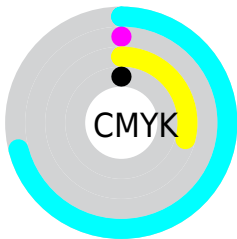
Distribution



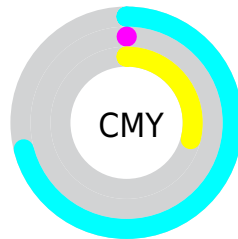
- Red (29%)
- Green (100%)
- Blue (71%)



- Red (29%)
- Yellow (73%)
- Blue (100%)



- Cyan (71%)
- Magenta (0%)
- Yellow (29%)
- Black (0%)





- Cyan (71%)
- Magenta (0%)
- Yellow (29%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 76.3139, 0.2612, 0.4245 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 76.3139, 0.2612, 0.4245 by changing the saturation by 10% instead.

 76.3139, 0.2612,
0.4245


 76.3139, 0.2612,
0.4245


482.4216, 0.2861,
0.3779


 56.6899, 0.2553,
0.4357

 128.1705, 0.2700,
0.4078

 40.7564, 0.2478,
0.4499


 161.1720, 0.2734,
0.4015

 28.1288, 0.2382,
0.4684


 199.4014, 0.2763,
0.3961

 18.4227, 0.2253,
0.4932

 243.2431, 0.2788,
0.3914

 11.2539, 0.2073,
0.5283

293.0816, 0.2810,
0.3874

 6.2379, 0.1807,
0.5811


349.3013, 0.2829,


 2.9903, 0.1345,


0.3838


0.6704


412.2865, 0.2846,
0.3807


 1.1267, 0.0000,
1.0000


 0.0005, 0.0000,
1.0000


 76.3139, 0.2612,
0.4245


 76.3139, 0.2612,
0.4245


 75.1069, 0.2602,
0.4404


 77.9661, 0.2642,
0.4087

 74.2820, 0.2613,
0.4560

 80.0994, 0.2691,
0.3933


 73.8062, 0.2637,
0.4691

 82.7562, 0.2756,
0.3787

 85.9715, 0.2834,
0.3649

 89.7776, 0.2922,
0.3522

 94.2037, 0.3016,
0.3407

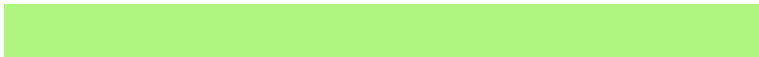
 99.2776, 0.3114,
0.3303

 99.9985, 0.3127,
0.3290

Harmonies

Analogous

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



76.3139, 0.3336, 0.4699



76.3139, 0.2612, 0.4245



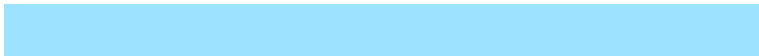
76.3139, 0.2067, 0.3431

Triad

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



76.3139, 0.2612, 0.4245



76.3139, 0.2173, 0.2119



76.3139, 0.4648, 0.3583

Complementary

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



76.3139, 0.2612, 0.4245



28.1214, 0.4561, 0.2627

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.



76.3139, 0.4273, 0.3027



76.3139, 0.2612, 0.4245



76.3139, 0.2764, 0.2229

Square

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



76.3139, 0.2612, 0.4245



76.3139, 0.1852, 0.2261



76.3139, 0.3543, 0.2550



76.3139, 0.4540, 0.4146

Rectangle

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



76.3139, 0.2612, 0.4245



76.3139, 0.1863, 0.2913



76.3139, 0.3543, 0.2550



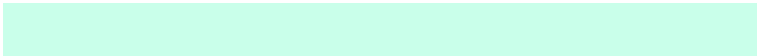
76.3139, 0.4576, 0.3393

Sweetspot

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



76.3169, 0.2612, 0.4245



89.9119, 0.2925, 0.3518



78.3822, 0.3366, 0.5347



19.0057, 0.2900, 0.3552



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.



76.3169, 0.2612, 0.4245



74.6783, 0.2605, 0.4477



70.8686, 0.2274, 0.3104



20.3508, 0.3034, 0.3387



38.5964, 0.2630, 0.4666



3.7796, 0.2581, 0.4492

Inverse Universe

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



28.1214, 0.4561, 0.2627



23.9523, 0.5018, 0.2642



28.7687, 0.5459, 0.3417



18.1079, 0.3231, 0.3195



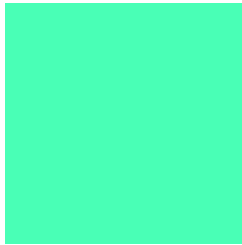
11.6415, 0.5378, 0.2736



1.1544, 0.5077, 0.2571

Previews

White Background



This preview shows how the Yxy color 76.3139, 0.2612, 0.4245 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 76.3139, 0.2612, 0.4245 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

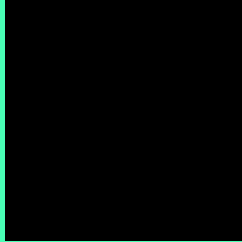
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 76.3139, 0.2612, 0.4245

Background



This preview shows how black text looks on a background with the Yxy color 76.3139, 0.2612, 0.4245.

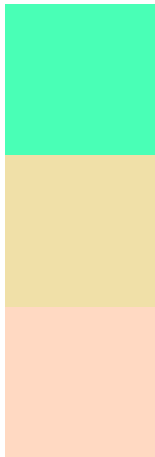


This preview shows how white text looks on a background with the Yxy color 76.3139, 0.2612, 0.4245.

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

76.3139, 0.2612, 0.4245

Protanopia

74.6637, 0.3626, 0.3887

Deuteranopia

74.7808, 0.3574, 0.3527



Tritanopia

75.8361, 0.2525, 0.3117

Trichromacy



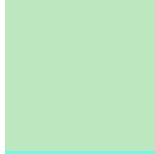
Original Color

76.3139, 0.2612, 0.4245



Protanomaly

72.0175, 0.3131, 0.4038



Deuteranomaly

71.6884, 0.3098, 0.3773



Tritanomaly

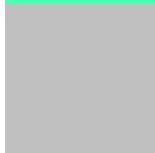
74.9712, 0.2543, 0.3495

Monochromacy



Original Color

76.3139, 0.2612, 0.4245



Achromatopsia

52.7115, 0.3127, 0.3290



Achromatomaly

58.6213, 0.2845, 0.3644

CSS Examples

Text

The CSS property to change the color of the text to Yxy 76.3139, 0.2612, 0.4245 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(73, 255, 182)` looks like.

```
.text, #text, p{  
    color:rgb(73, 255, 182)  
}
```

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(73, 255, 182) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(73, 255, 182) }
```

Border

The CSS property to change the border of an element to Yxy 76.3139, 0.2612, 0.4245 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(73, 255, 182) }
```

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

```
.border{ border-color:rgb(73, 255, 182) }
```

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

Here you see how a box with a 4 pixel `rgb(73, 255, 182)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(73, 255, 182); -webkit-box-  
shadow:4px 4px 4px 4px rgb(73, 255, 182);  
box-shadow:4px 4px 4px 4px rgb(73, 255,  
182) }
```


Background

The CSS property to change the background color of an element to Yxy 76.3139, 0.2612, 0.4245 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(73, 255, 182) }
```

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

```
.background{ background-color: rgb(73, 255,  
182) }
```

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