

Converting Colors

$Yxy(76.4940, 0.2624, 0.4243)$

Have a look what the booklet for
Yxy(76.4940, 0.2624, 0.4243)
contains.

Yxy(76.5171, 0.2625, 0.4242)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(76.5171, 0.2625, 0.4242)

Conversions

Conversions Part 1

Format	Color
Hex	4EFFB6
RGB	78, 255, 182
RGB Percent	31%, 100%, 71%
CMY	0.6937, 0.0000, 0.2864
CMYK	0.69, 0.00, 0.29, 0.00
HSL	155°, 100%, 65%
HSV	155°, 69%, 100%
XYZ	47.3497, 76.5171, 56.5130
YIQ	193.7550, -82.0590, -60.2270

Conversions

Conversions Part 2

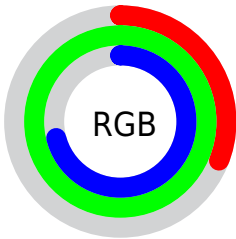
Format	Color
RYB	78, 189, 255
Decimal	5177270
CIELab	90.10, -60.96, 22.20
CIELCh	90, 64.874, 159.988
Yxy	76.5171, 0.2625, 0.4242
Android (android.graphics.Color)	4283367350 (0xFF4EFFB6)
YUV	193.7550, -5.7952, -101.5171
Hunter-Lab	87.4741, -56.4576, 22.9273

Details

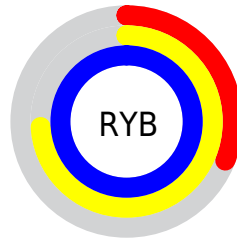
The Yxy color **76.5171, 0.2625, 0.4242** is a light color, and the websafe version is hex **33FFCC**. The color can be described as light washed spring green. A complement of this color would be **28.9644, 0.4472, 0.2613**, and the grayscale version is **53.8867, 0.3127, 0.3290**.

A 20% lighter version of the original color is **83.8040, 0.2620, 0.3483**, and **41.5175, 0.2574, 0.4466** is the 20% darker color. If you saturate the color by 10%, you get **75.2230, 0.2612, 0.4406**, and if you desaturate by 10%, it is **78.2674, 0.2658, 0.4080**.

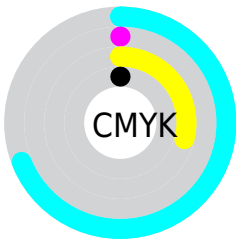
Distribution



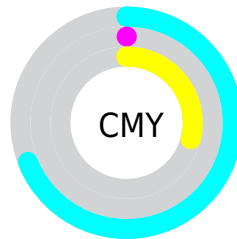
- Red (31%)
- Green (100%)
- Blue (71%)



- Red (31%)
- Yellow (74%)
- Blue (100%)



- Cyan (69%)
- Magenta (0%)
- Yellow (29%)
- Black (0%)





- Cyan (69%)
- Magenta (0%)
- Yellow (29%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 76.5171, 0.2625, 0.4242 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 76.5171, 0.2625, 0.4242 by changing the saturation by 10% instead.


 76.5171, 0.2625,
0.4242

 76.5171, 0.2625,
0.4242


483.1160, 0.2868,
0.3777


 56.8566, 0.2567,
0.4354


 128.4576, 0.2711,
0.4076

 40.8901, 0.2494,
0.4495


 161.5064, 0.2744,
0.4013

 28.2333, 0.2400,
0.4679


 199.7868, 0.2773,
0.3959

 18.5016, 0.2274,
0.4926

 243.6831, 0.2797,
0.3913

 11.3107, 0.2098,
0.5275

293.5798, 0.2818,
0.3872

 6.2762, 0.1836,
0.5800


349.8613, 0.2837,


 3.0138, 0.1389,


0.3837


0.6681


412.9119, 0.2853,
0.3805

 1.1389, 0.0000,
1.0000


 0.0109, 0.0000,
1.0000

 76.5171, 0.2625,
0.4242

 76.5171, 0.2625,
0.4242


 75.2230, 0.2612,
0.4406


 78.2674, 0.2658,
0.4080


 74.3241, 0.2620,
0.4567


 80.5087, 0.2710,
0.3923

 73.7442, 0.2646,
0.4723

 83.2824, 0.2776,
0.3773

 73.7122, 0.2648,
0.4733

 86.6230, 0.2855,
0.3633

 90.5620, 0.2943,
0.3505

 95.1287, 0.3037,
0.3388

99.9992, 0.3127,
0.3290

Harmonies

Analogous

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



76.5171, 0.3343, 0.4686



76.5171, 0.2625, 0.4242



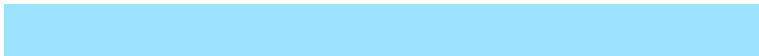
76.5171, 0.2081, 0.3439

Triad

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



76.5171, 0.2625, 0.4242



76.5171, 0.2177, 0.2129



76.5171, 0.4632, 0.3576

Complementary

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



76.5171, 0.2625, 0.4242



28.9644, 0.4472, 0.2613

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.



76.5171, 0.4255, 0.3024



76.5171, 0.2625, 0.4242



76.5171, 0.2760, 0.2235

Square

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



76.5171, 0.2625, 0.4242



76.5171, 0.1861, 0.2273



76.5171, 0.3530, 0.2552



76.5171, 0.4531, 0.4135

Rectangle

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



76.5171, 0.2625, 0.4242



76.5171, 0.1877, 0.2926



76.5171, 0.3530, 0.2552



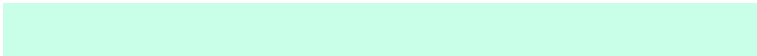
76.5171, 0.4558, 0.3388

Sweetspot

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



76.5202, 0.2625, 0.4242



89.8769, 0.2928, 0.3525



78.7289, 0.3369, 0.5299



18.9974, 0.2904, 0.3560



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.



76.5202, 0.2625, 0.4242



74.8541, 0.2613, 0.4465



71.3172, 0.2286, 0.3109



20.3471, 0.3035, 0.3390



38.5471, 0.2641, 0.4707



3.7749, 0.2591, 0.4529

Inverse Universe

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



28.9644, 0.4472, 0.2613



24.6447, 0.4886, 0.2607



29.6153, 0.5370, 0.3419



18.1114, 0.3229, 0.3192



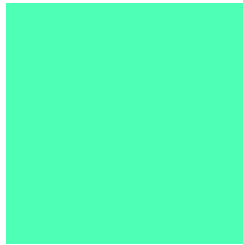
11.6727, 0.5331, 0.2711



1.1576, 0.5035, 0.2547

Previews

White Background



This preview shows how the Yxy color 76.5171, 0.2625, 0.4242 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 76.5171, 0.2625, 0.4242 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

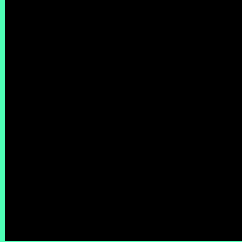
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 76.5171, 0.2625, 0.4242

Background



This preview shows how black text looks on a background with the Yxy color 76.5171, 0.2625, 0.4242.



This preview shows how white text looks on a background with the Yxy color 76.5171, 0.2625, 0.4242.

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

76.5171, 0.2625, 0.4242

Protanopia

74.8392, 0.3634, 0.3885

Deuteranopia

74.8258, 0.3567, 0.3516



Tritanopia

76.0242, 0.2534, 0.3118

Trichromacy



Original Color

76.5171, 0.2625, 0.4242



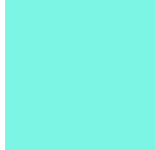
Protanomaly

72.3789, 0.3151, 0.4033



Deuteranomaly

71.9459, 0.3111, 0.3771



Tritanomaly

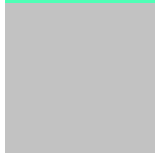
75.1913, 0.2555, 0.3494

Monochromacy



Original Color

76.5171, 0.2625, 0.4242



Achromatopsia

53.9479, 0.3127, 0.3290



Achromatomaly

59.5048, 0.2853, 0.3628

CSS Examples

Text

The CSS property to change the color of the text to Yxy 76.5171, 0.2625, 0.4242 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(78, 255, 182)` looks like.

```
.text, #text, p{  
    color:rgb(78, 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(78, 255, 182) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(78, 255, 182) }
```

Border

The CSS property to change the border of an element to Yxy 76.5171, 0.2625, 0.4242 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(78, 255, 182) }
```

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

```
.border{ border-color:rgb(78, 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(78, 255, 182)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(78, 255, 182); -webkit-box-  
shadow:4px 4px 4px 4px rgb(78, 255, 182);  
box-shadow:4px 4px 4px 4px rgb(78, 255,  
182) }
```


Background

The CSS property to change the background color of an element to Yxy 76.5171, 0.2625, 0.4242 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(78, 255, 182) }
```

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

```
.background{ background-color: rgb(78, 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