

Converting Colors

$Yxy(77.1566, 0.2673, 0.4245)$

Have a look what the booklet for
Yxy(77.1566, 0.2673, 0.4245)
contains.

Yxy(77.1834, 0.2673, 0.4244)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(77.1834, 0.2673, 0.4244)

Conversions

Conversions Part 1

Format	Color
Hex	5DFFB5
RGB	93, 255, 181
RGB Percent	36%, 100%, 71%
CMY	0.6355, 0.0000, 0.2901
CMYK	0.64, 0.00, 0.29, 0.00
HSL	153°, 100%, 68%
HSV	153°, 64%, 100%
XYZ	48.6124, 77.1834, 56.0689
YIQ	198.1260, -72.7980, -57.3580

Conversions

Conversions Part 2

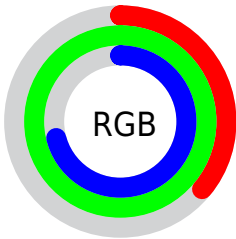
Format	Color
RYB	93, 198, 255
Decimal	6160309
CIELab	90.41, -58.79, 23.15
CIELCh	90, 63.183, 158.504
Yxy	77.1834, 0.2673, 0.4244
Android (android.graphics.Color)	4284350389 (0xFF5DFFB5)
YUV	198.1260, -8.4431, -92.1955
Hunter-Lab	87.8541, -54.9749, 23.6587

Details

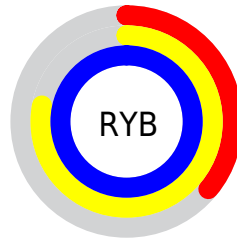
The Yxy color **77.1834, 0.2673, 0.4244** is a light color, and the websafe version is hex **33FFCC**. The color can be described as light muted spring green. A complement of this color would be **31.8645, 0.4206, 0.2572**, and the grayscale version is **56.6282, 0.3127, 0.3290**.

A 20% lighter version of the original color is **84.8025, 0.2675, 0.3492**, and **41.4910, 0.2579, 0.4484** is the 20% darker color. If you saturate the color by 10%, you get **75.6083, 0.2652, 0.4425**, and if you desaturate by 10%, it is **79.2380, 0.2713, 0.4066**.

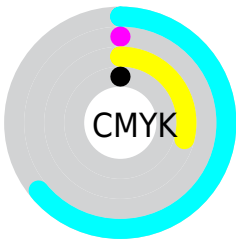
Distribution



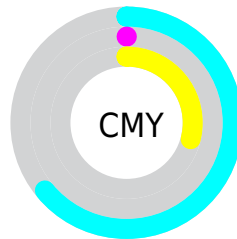
- Red (36%)
- Green (100%)
- Blue (71%)



- Red (36%)
- Yellow (78%)
- Blue (100%)



- Cyan (64%)
- Magenta (0%)
- Yellow (29%)
- Black (0%)





- Cyan (64%)
- Magenta (0%)
- Yellow (29%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 77.1834, 0.2673, 0.4244 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 77.1834, 0.2673, 0.4244 by changing the saturation by 10% instead.


 77.1834, 0.2673,
0.4244

 77.1834, 0.2673,
0.4244

485.3891, 0.2894,
0.3779


 57.4034, 0.2620,
0.4356


 129.3983, 0.2752,
0.4078


 41.3292, 0.2553,
0.4497


 162.6021, 0.2782,
0.4015

 28.5764, 0.2466,
0.4680


 201.0492, 0.2808,
0.3961

 18.7606, 0.2349,
0.4927

 245.1241, 0.2830,
0.3914

 11.4974, 0.2185,
0.5275

295.2111, 0.2849,
0.3874

 6.4025, 0.1939,
0.5796


351.6947, 0.2866,


 3.0913, 0.1533,


0.3838


0.6656


414.9592, 0.2881,
0.3807


 1.1796, 0.0000,
1.0000

 0.0449, 0.0000,
1.0000


 77.1834, 0.2673,
0.4244


 77.1834, 0.2673,
0.4244


 75.6083, 0.2652,
0.4425


 79.2380, 0.2713,
0.4066

 74.4712, 0.2651,
0.4606

 81.8184, 0.2770,
0.3895

 73.7131, 0.2671,
0.4781

 84.9589, 0.2840,
0.3735

 73.3729, 0.2691,
0.4889

 88.6926, 0.2919,
0.3586

 93.0496, 0.3005,
0.3451

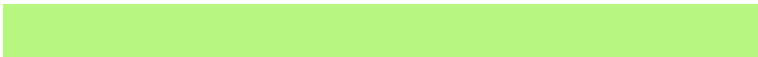
 98.0583, 0.3095,
0.3330

100.0000, 0.3127,
0.3290

Harmonies

Analogous

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



77.1834, 0.3377, 0.4650



77.1834, 0.2673, 0.4244



77.1834, 0.2129, 0.3477

Triad

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



77.1834, 0.2673, 0.4244



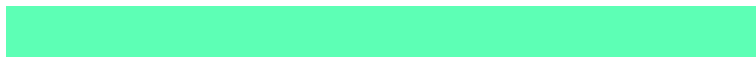
77.1834, 0.2179, 0.2158



77.1834, 0.4582, 0.3546

Complementary

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



77.1834, 0.2673, 0.4244



31.8645, 0.4206, 0.2572

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.



77.1834, 0.4193, 0.3007



77.1834, 0.2673, 0.4244



77.1834, 0.2737, 0.2250

Square

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



77.1834, 0.2673, 0.4244



77.1834, 0.1883, 0.2315



77.1834, 0.3482, 0.2551



77.1834, 0.4509, 0.4093

Rectangle

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



77.1834, 0.2673, 0.4244



77.1834, 0.1918, 0.2973



77.1834, 0.3482, 0.2551



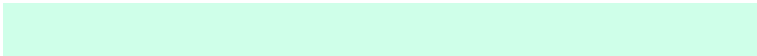
77.1834, 0.4502, 0.3362

Sweetspot

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



77.1816, 0.2673, 0.4244



90.5974, 0.2958, 0.3523



80.6965, 0.3423, 0.5115



19.1322, 0.2934, 0.3563



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.



77.1816, 0.2673, 0.4244



75.2918, 0.2650, 0.4470



77.6656, 0.2350, 0.3224



20.3334, 0.3041, 0.3401



38.3694, 0.2684, 0.4861



3.7580, 0.2630, 0.4667

Inverse Universe

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



31.8645, 0.4206, 0.2572



26.8097, 0.4543, 0.2516



30.8486, 0.5161, 0.3344



18.1250, 0.3222, 0.3182



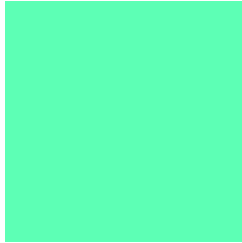
11.8016, 0.5149, 0.2610



1.1708, 0.4872, 0.2458

Previews

White Background



This preview shows how the Yxy color 77.1834, 0.2673, 0.4244 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 77.1834, 0.2673, 0.4244 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

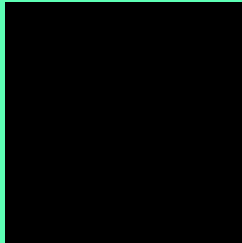
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 77.1834, 0.2673, 0.4244

Background



This preview shows how black text looks on a background with the Yxy color 77.1834, 0.2673, 0.4244.



This preview shows how white text looks on a background with the Yxy color 77.1834, 0.2673, 0.4244.

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

77.1834, 0.2673, 0.4244

Protanopia

75.5548, 0.3638, 0.3893

Deuteranopia

75.3883, 0.3557, 0.3516



Tritanopia

76.7083, 0.2567, 0.3119

Trichromacy



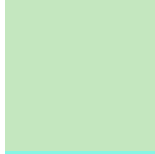
Original Color

77.1834, 0.2673, 0.4244



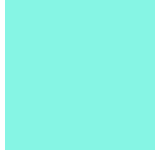
Protanomaly

73.6994, 0.3190, 0.4035



Deuteranomaly

72.6492, 0.3139, 0.3754



Tritanomaly

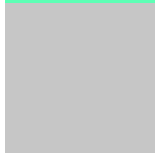
75.9746, 0.2597, 0.3492

Monochromacy



Original Color

77.1834, 0.2673, 0.4244



Achromatopsia

56.4712, 0.3127, 0.3290



Achromatomaly

61.9424, 0.2894, 0.3633

CSS Examples

Text

The CSS property to change the color of the text to Yxy 77.1834, 0.2673, 0.4244 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(93, 255, 181)` looks like.

```
.text, #text, p{  
    color:rgb(93, 255, 181)  
}
```

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(93, 255, 181) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(93, 255, 181) }
```

Border

The CSS property to change the border of an element to Yxy 77.1834, 0.2673, 0.4244 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(93, 255, 181) }
```

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

```
.border{ border-color:rgb(93, 255, 181) }
```

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

Here you see how a box with a 4 pixel `rgb(93, 255, 181)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(93, 255, 181); -webkit-box-  
shadow:4px 4px 4px 4px rgb(93, 255, 181);  
box-shadow:4px 4px 4px 4px rgb(93, 255,  
181) }
```


Background

The CSS property to change the background color of an element to Yxy 77.1834, 0.2673, 0.4244 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(93, 255, 181) }
```

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

```
.background{ background-color: rgb(93, 255,  
181) }
```

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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