

Converting Colors

$Y_{xy}(75.7784, 0.2603, 0.4297)$

Have a look what the booklet for
Yxy(75.7784, 0.2603, 0.4297)
contains.

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Color

Yxy(75.8314, 0.2601, 0.4293)

Conversions

Conversions Part 1

Format	Color
Hex	3FFF B3
RGB	63, 255, 179
RGB Percent	25%, 100%, 70%
CMY	0.7531, 0.0000, 0.2980
CMYK	0.75, 0.00, 0.30, 0.00
HSL	156°, 100%, 62%
HSV	156°, 75%, 100%
XYZ	45.9440, 75.8314, 54.8643
YIQ	188.9280, -90.0360, -64.3400

Conversions

Conversions Part 2

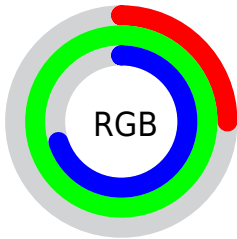
Format	Color
RYB	63, 183, 255
Decimal	4194227
CIELab	89.78, -63.55, 23.23
CIELCh	90, 67.662, 159.919
Yxy	75.8314, 0.2601, 0.4293
Android (android.graphics.Color)	4282384307 (0xFF3FFF3)
YUV	188.9280, -4.8945, -110.4389
Hunter-Lab	87.0812, -58.2157, 23.6020

Details

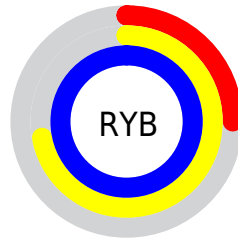
The Yxy color **75.8314, 0.2601, 0.4293** is a light color, and the websafe version is hex **00FFCC**. The color can be described as light washed spring green. A complement of this color would be **26.6718, 0.4702, 0.2631**, and the grayscale version is **50.9032, 0.3127, 0.3290**.

A 20% lighter version of the original color is **82.8365, 0.2596, 0.3521**, and **41.4389, 0.2589, 0.4521** is the 20% darker color. If you saturate the color by 10%, you get **74.7830, 0.2599, 0.4449**, and if you desaturate by 10%, it is **77.2949, 0.2624, 0.4137**.

Distribution



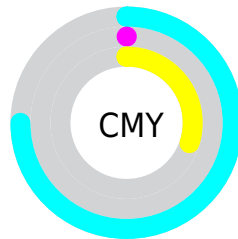
- Red (25%)
- Green (100%)
- Blue (70%)



- Red (25%)
- Yellow (72%)
- Blue (100%)



- Cyan (75%)
- Magenta (0%)
- Yellow (30%)
- Black (0%)




- Cyan (75%)
- Magenta (0%)
- Yellow (30%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 75.8314, 0.2601, 0.4293 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 75.8314, 0.2601, 0.4293 by changing the saturation by 10% instead.


 75.8314, 0.2601,
0.4293

 75.8314, 0.2601,
0.4293


480.7704, 0.2857,
0.3801

 56.2943, 0.2540,
0.4412


 127.4886, 0.2692,
0.4117


 40.4389, 0.2463,
0.4562


 160.3774, 0.2727,
0.4050

 27.8809, 0.2363,
0.4758


 198.4855, 0.2756,
0.3993

 18.2359, 0.2229,
0.5022

 242.1974, 0.2782,
0.3944

 11.1195, 0.2042,
0.5395

291.8975, 0.2804,
0.3902

 6.1473, 0.1764,
0.5957


347.9700, 0.2824,

 2.9348, 0.1255,


0.3864

0.6946


410.7995, 0.2841,
0.3831


 1.0978, 0.0000,
1.0000


 0.0000, 0.0000,
0.0000


 75.8314, 0.2601,
0.4293

 75.8314, 0.2601,
0.4293

 74.7830, 0.2599,
0.4449

 77.2949, 0.2624,
0.4137

 74.0949, 0.2617,
0.4601

 79.2261, 0.2666,
0.3983

 73.8563, 0.2631,
0.4670


 81.6648, 0.2726,
0.3836

 84.6476, 0.2799,
0.3697

 88.2077, 0.2884,
0.3568

 92.3755, 0.2977,
0.3449

 97.1792, 0.3074,
0.3342

 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.



75.8314, 0.3348, 0.4756



75.8314, 0.2601, 0.4293



75.8314, 0.2038, 0.3445

Triad

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



75.8314, 0.2601, 0.4293



75.8314, 0.2137, 0.2085



75.8314, 0.4699, 0.3578

Complementary

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



75.8314, 0.2601, 0.4293



26.6718, 0.4702, 0.2631

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.



75.8314, 0.4305, 0.3008



75.8314, 0.2601, 0.4293



75.8314, 0.2740, 0.2195

Square

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



75.8314, 0.2601, 0.4293



75.8314, 0.1813, 0.2231



75.8314, 0.3545, 0.2521



75.8314, 0.4588, 0.4159

Rectangle

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



75.8314, 0.2601, 0.4293



75.8314, 0.1828, 0.2906



75.8314, 0.3545, 0.2521



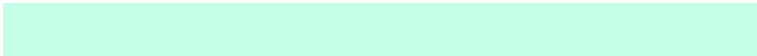
75.8314, 0.4623, 0.3383

Sweetspot

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



75.8299, 0.2601, 0.4293



89.1171, 0.2905, 0.3539



77.4337, 0.3340, 0.5453



18.7739, 0.2873, 0.3584



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.



75.8299, 0.2601, 0.4293



74.4201, 0.2605, 0.4521



68.1479, 0.2241, 0.3052



20.3526, 0.3033, 0.3386



38.6217, 0.2624, 0.4646



3.7820, 0.2576, 0.4474

Inverse Universe

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



26.6718, 0.4702, 0.2631



23.2451, 0.5160, 0.2679



27.6761, 0.5611, 0.3438



18.1061, 0.3232, 0.3196



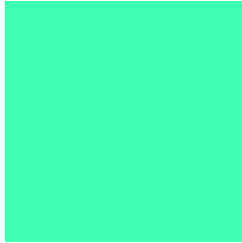
11.6261, 0.5402, 0.2749



1.1528, 0.5099, 0.2582

Previews

White Background



This preview shows how the Yxy color 75.8314, 0.2601, 0.4293 looks on a white background.

Color Contrast Check

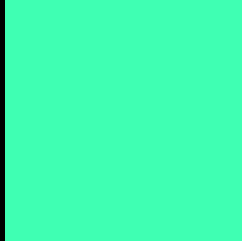
Large Text (above 18pt) WCAG AA × Fail

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 75.8314, 0.2601, 0.4293 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

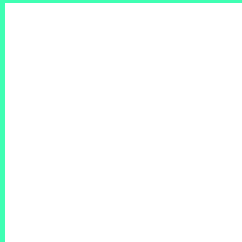
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 75.8314, 0.2601, 0.4293

Background



This preview shows how black text looks on a background with the Yxy color 75.8314, 0.2601, 0.4293.

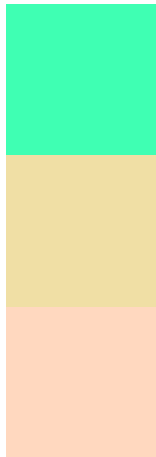


This preview shows how white text looks on a background with the Yxy color 75.8314, 0.2601, 0.4293.

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

75.8314, 0.2601, 0.4293

Protanopia

74.0172, 0.3650, 0.3909

Deuteranopia

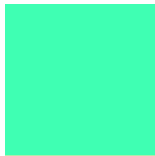
74.1333, 0.3599, 0.3548



Tritanopia

74.8823, 0.2505, 0.3105

Trichromacy



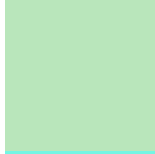
Original Color

75.8314, 0.2601, 0.4293



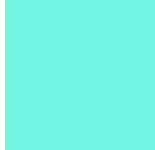
Protanomaly

71.5490, 0.3129, 0.4080



Deuteranomaly

70.4958, 0.3090, 0.3803



Tritanomaly

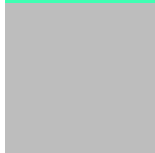
74.4957, 0.2524, 0.3509

Monochromacy



Original Color

75.8314, 0.2601, 0.4293



Achromatopsia

50.8881, 0.3127, 0.3290



Achromatomaly

56.9309, 0.2824, 0.3664

CSS Examples

Text

The CSS property to change the color of the text to Yxy 75.8314, 0.2601, 0.4293 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(63, 255, 179)` looks like.

```
.text, #text, p{  
    color:rgb(63, 255, 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(63, 255, 179) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(63, 255, 179) }
```

Border

The CSS property to change the border of an element to Yxy 75.8314, 0.2601, 0.4293 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(63, 255, 179) }
```

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

```
.border{ border-color:rgb(63, 255, 179) }
```

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

Here you see how a box with a 4 pixel rgb(63, 255, 179) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(63, 255, 179); -webkit-box-  
shadow:4px 4px 4px 4px rgb(63, 255, 179);  
box-shadow:4px 4px 4px 4px rgb(63, 255,  
179) }
```


Background

The CSS property to change the background color of an element to Yxy 75.8314, 0.2601, 0.4293 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(63, 255, 179) }
```

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

```
.background{ background-color: rgb(63, 255,  
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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