

Converting Colors

$Y_{xy}(74.9207, 0.2596, 0.4420)$

Have a look what the booklet for
Yxy(74.9207, 0.2596, 0.4420)
contains.

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Color

Yxy(74.9317, 0.2595, 0.4417)

Conversions

Conversions Part 1

Format	Color
Hex	29FFAB
RGB	41, 255, 171
RGB Percent	16%, 100%, 67%
CMY	0.8399, 0.0000, 0.3293
CMYK	0.84, 0.00, 0.33, 0.00
HSL	156°, 100%, 58%
HSV	156°, 84%, 100%
XYZ	44.0226, 74.9317, 50.6896
YIQ	181.4380, -100.5800, -71.4920

Conversions

Conversions Part 2

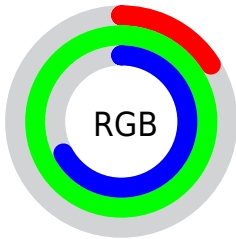
Format	Color
RYB	41, 174, 255
Decimal	2752427
CIELab	89.36, -67.29, 26.65
CIELCh	89, 72.372, 158.393
Yxy	74.9317, 0.2595, 0.4417
Android (android.graphics.Color)	4280942507 (0xFF29FFAB)
YUV	181.4380, -5.1459, -123.1641
Hunter-Lab	86.5631, -60.7073, 25.8752

Details

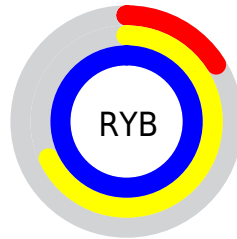
The Yxy color **74.9317, 0.2595, 0.4417** is a light color, and the websafe version is hex **33FF99**. The color can be described as light washed spring green. A complement of this color would be **24.3092, 0.4989, 0.2653**, and the grayscale version is **46.4997, 0.3127, 0.3290**.

A 20% lighter version of the original color is **81.5017, 0.2587, 0.3621**, and **41.2405, 0.2630, 0.4668** is the 20% darker color. If you saturate the color by 10%, you get **74.1991, 0.2610, 0.4568**, and if you desaturate by 10%, it is **76.0273, 0.2600, 0.4262**.

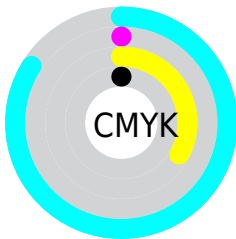
Distribution



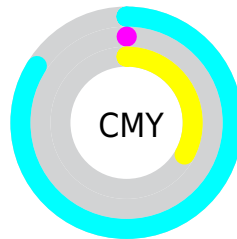
- Red (16%)
- Green (100%)
- Blue (67%)



- Red (16%)
- Yellow (68%)
- Blue (100%)



- Cyan (84%)
- Magenta (0%)
- Yellow (33%)
- Black (0%)





- Cyan (84%)
- Magenta (0%)
- Yellow (33%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 74.9317, 0.2595, 0.4417 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 74.9317, 0.2595, 0.4417 by changing the saturation by 10% instead.


 74.9317, 0.2595,
0.4417

 74.9317, 0.2595,
0.4417


477.6828, 0.2858,
0.3860

 55.5569, 0.2531,
0.4553


 126.2157, 0.2689,
0.4217

 39.8478, 0.2450,
0.4725


 158.8937, 0.2725,
0.4141

 27.4199, 0.2344,
0.4949


 196.7749, 0.2756,
0.4077

 17.8888, 0.2202,
0.5253

 240.2437, 0.2782,
0.4021

 10.8702, 0.2000,
0.5683

289.6845, 0.2804,
0.3973

 5.9796, 0.1697,
0.6329


345.4817, 0.2824,

 2.8327, 0.1067,


0.3931


0.7660


408.0196, 0.2842,
0.3893

 1.0450, 0.0000,
1.0000

 0.0000, 0.0000,
0.0000

 74.9317, 0.2595,
0.4417


 74.9317, 0.2595,
0.4417


 74.1991, 0.2610,
0.4568


 76.0273, 0.2600,
0.4262

 73.8877, 0.2627,
0.4657


 77.5495, 0.2626,
0.4108

 79.5431, 0.2671,
0.3957


 82.0487, 0.2733,
0.3812

 85.1025, 0.2808,
0.3675

 88.7371, 0.2895,
0.3549

 92.9827, 0.2989,
0.3433

 97.8673, 0.3087,
0.3329

 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.



74.9317, 0.3392, 0.4879



74.9317, 0.2595, 0.4417



74.9317, 0.1988, 0.3499

Triad

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



74.9317, 0.2595, 0.4417



74.9317, 0.2050, 0.2013



74.9317, 0.4803, 0.3550

Complementary

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



74.9317, 0.2595, 0.4417



24.3092, 0.4989, 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.



74.9317, 0.4357, 0.2955



74.9317, 0.2595, 0.4417



74.9317, 0.2672, 0.2118

Square

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



74.9317, 0.2595, 0.4417



74.9317, 0.1725, 0.2176



74.9317, 0.3526, 0.2451



74.9317, 0.4700, 0.4167

Rectangle

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



74.9317, 0.2595, 0.4417



74.9317, 0.1758, 0.2910



74.9317, 0.3526, 0.2451



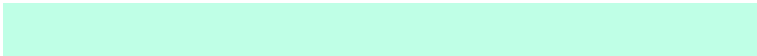
74.9317, 0.4714, 0.3346

Sweetspot

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



74.9297, 0.2595, 0.4417



88.3425, 0.2886, 0.3561



76.1524, 0.3311, 0.5624



18.6256, 0.2855, 0.3605



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.



74.9297, 0.2595, 0.4417



73.8877, 0.2627, 0.4657



66.2962, 0.2200, 0.3021



20.3537, 0.3033, 0.3385



38.6381, 0.2620, 0.4633



3.7835, 0.2573, 0.4462

Inverse Universe

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



24.3092, 0.4989, 0.2653



22.1794, 0.5459, 0.2781



24.8908, 0.5953, 0.3416



18.1050, 0.3232, 0.3197



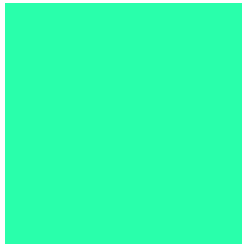
11.6165, 0.5417, 0.2758



1.1518, 0.5112, 0.2590

Previews

White Background



This preview shows how the Yxy color 74.9317, 0.2595, 0.4417 looks on a white background.

Color Contrast Check

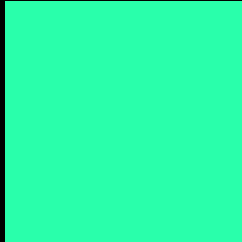
Large Text (above 18pt) WCAG AA × Fail

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 74.9317, 0.2595, 0.4417 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

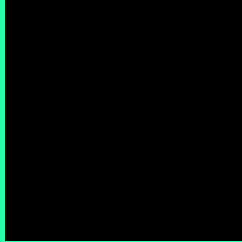
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 74.9317, 0.2595, 0.4417

Background



This preview shows how black text looks on a background with the Yxy color 74.9317, 0.2595, 0.4417.



This preview shows how white text looks on a background with the Yxy color 74.9317, 0.2595, 0.4417.

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

74.9317, 0.2595, 0.4417

Protanopia

73.2021, 0.3708, 0.3983

Deuteranopia

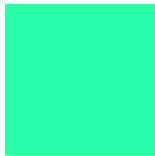
72.8559, 0.3648, 0.3590



Tritanopia

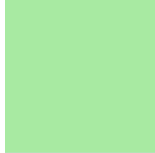
74.1872, 0.2471, 0.3103

Trichromacy



Original Color

74.9317, 0.2595, 0.4417



Protanomaly

69.7791, 0.3123, 0.4184



Deuteranomaly

68.6810, 0.3079, 0.3888



Tritanomaly

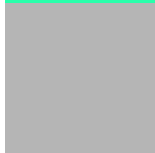
73.4533, 0.2488, 0.3550

Monochromacy



Original Color

74.9317, 0.2595, 0.4417



Achromatopsia

46.2077, 0.3127, 0.3290



Achromatomaly

53.0319, 0.2786, 0.3722

CSS Examples

Text

The CSS property to change the color of the text to Yxy 74.9317, 0.2595, 0.4417 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(41, 255, 171)` looks like.

```
.text, #text, p{  
    color:rgb(41, 255, 171)  
}
```

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(41, 255, 171) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(41, 255, 171) }
```

Border

The CSS property to change the border of an element to Yxy 74.9317, 0.2595, 0.4417 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(41, 255, 171) }
```

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

```
.border{ border-color:rgb(41, 255, 171) }
```

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

Here you see how a box with a 4 pixel `rgb(41, 255, 171)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(41, 255, 171); -webkit-box-  
shadow:4px 4px 4px 4px rgb(41, 255, 171);  
box-shadow:4px 4px 4px 4px rgb(41, 255,  
171) }
```


Background

The CSS property to change the background color of an element to Yxy 74.9317, 0.2595, 0.4417 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(41, 255, 171) }
```

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

```
.background{ background-color: rgb(41, 255,  
171) }
```

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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