

Converting Colors

$Y_{xy}(93.1538, 0.2657, 0.4697)$

Have a look what the booklet for
Yxy(93.1538, 0.2657, 0.4697)
contains.

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Color

Yxy(74.6385, 0.2595, 0.4464)

Conversions

Conversions Part 1

Format	Color
Hex	1FFFA8
RGB	31, 255, 168
RGB Percent	12%, 100%, 66%
CMY	0.8794, 0.0000, 0.3411
CMYK	0.88, 0.00, 0.34, 0.00
HSL	157°, 100%, 56%
HSV	157°, 88%, 100%
XYZ	43.3886, 74.6385, 49.1738
YIQ	178.1060, -105.5770, -74.5450

Conversions

Conversions Part 2

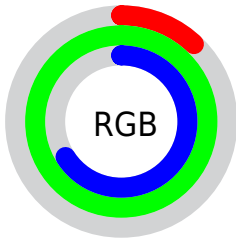
Format	Color
RYB	31, 170, 255
Decimal	2097064
CIELab	89.22, -68.56, 27.97
CIELCh	89, 74.047, 157.803
Yxy	74.6385, 0.2595, 0.4464
Android (android.graphics.Color)	4280287144 (0xFF1FFFA8)
YUV	178.1060, -4.9823, -129.0120
Hunter-Lab	86.3936, -61.5424, 26.7286

Details

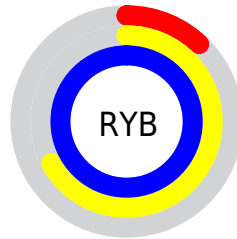
The Yxy color **74.6385, 0.2595, 0.4464** is a dark color, and the websafe version is hex **33FF99**. The color can be described as middle washed spring green. A complement of this color would be **23.5295, 0.5126, 0.2682**, and the grayscale version is **44.6096, 0.3127, 0.3290**.

A 20% lighter version of the original color is **81.0394, 0.2585, 0.3660**, and **41.1703, 0.2645, 0.4722** is the 20% darker color. If you saturate the color by 10%, you get **74.0270, 0.2617, 0.4612**, and if you desaturate by 10%, it is **75.5791, 0.2592, 0.4312**.

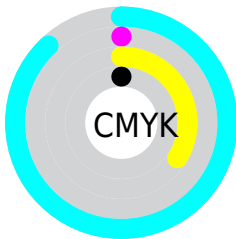
Distribution



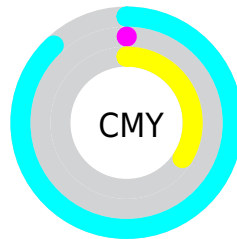
- Red (12%)
- Green (100%)
- Blue (66%)



- Red (12%)
- Yellow (67%)
- Blue (100%)



- Cyan (88%)
- Magenta (0%)
- Yellow (34%)
- Black (0%)



- Cyan (88%)
- Magenta (0%)
- Yellow (34%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 74.6385, 0.2595, 0.4464 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 74.6385, 0.2595, 0.4464 by changing the saturation by 10% instead.

 74.6385, 0.2595,
0.4464

 74.6385, 0.2595,
0.4464


476.6741, 0.2859,
0.3882


 55.3168, 0.2530,
0.4606


 125.8005, 0.2690,
0.4255


 39.6554, 0.2448,
0.4786


 158.4096, 0.2726,
0.4175


 27.2700, 0.2340,
0.5022

 196.2166, 0.2757,
0.4108

 17.7761, 0.2194,
0.5340

 239.6059, 0.2783,
0.4050

 10.7893, 0.1987,
0.5792

 288.9619, 0.2806,
0.4000

 5.9254, 0.1675,
0.6468


344.6690, 0.2826,

 2.7998, 0.0994,


0.3956


0.7976


407.1116, 0.2844,
0.3917


 1.0281, 0.0000,
1.0000


 0.0000, 0.0000,
0.0000


 74.6385, 0.2595,
0.4464


 74.6385, 0.2595,
0.4464


 74.0270, 0.2617,
0.4612

 75.5791, 0.2592,
0.4312

 73.9232, 0.2623,
0.4642


 76.9255, 0.2610,
0.4159


 78.7251, 0.2648,
0.4008

 81.0208, 0.2704,
0.3862

 83.8502, 0.2775,
0.3723

 87.2473, 0.2858,
0.3594

 91.2431, 0.2950,
0.3475

 95.8663, 0.3048,
0.3368

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.



74.6385, 0.3410, 0.4923



74.6385, 0.2595, 0.4464



74.6385, 0.1971, 0.3521

Triad

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



74.6385, 0.2595, 0.4464



74.6385, 0.2018, 0.1988



74.6385, 0.4839, 0.3538

Complementary

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



74.6385, 0.2595, 0.4464



23.5295, 0.5126, 0.2682

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.



74.6385, 0.4373, 0.2934



74.6385, 0.2595, 0.4464



74.6385, 0.2645, 0.2090

Square

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



74.6385, 0.2595, 0.4464



74.6385, 0.1695, 0.2158



74.6385, 0.3516, 0.2425



74.6385, 0.4740, 0.4167

Rectangle

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



74.6385, 0.2595, 0.4464



74.6385, 0.1735, 0.2914



74.6385, 0.3516, 0.2425



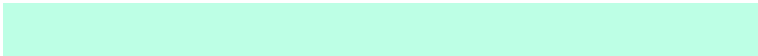
74.6385, 0.4745, 0.3331

Sweetspot

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



74.6355, 0.2595, 0.4464



87.9734, 0.2875, 0.3570



75.6435, 0.3294, 0.5686



18.5553, 0.2845, 0.3613



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.



74.6355, 0.2595, 0.4464



73.9232, 0.2623, 0.4642



65.5458, 0.2186, 0.3008



20.3551, 0.3032, 0.3384



38.6566, 0.2616, 0.4618



3.7853, 0.2569, 0.4449

Inverse Universe

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



23.5295, 0.5126, 0.2682



22.1592, 0.5476, 0.2790



23.9208, 0.6081, 0.3401



18.1037, 0.3233, 0.3198



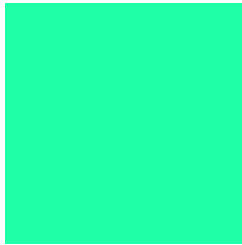
11.6057, 0.5433, 0.2767



1.1506, 0.5128, 0.2598

Previews

White Background



This preview shows how the Yxy color 74.6385, 0.2595, 0.4464 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 74.6385, 0.2595, 0.4464 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

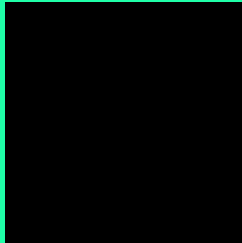
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

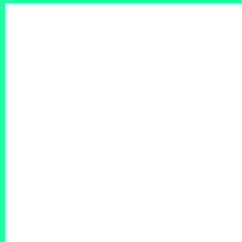
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 74.6385, 0.2595, 0.4464

Background



This preview shows how black text looks on a background with the Yxy color 74.6385, 0.2595, 0.4464.

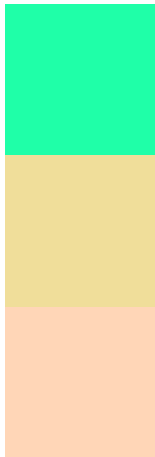


This preview shows how white text looks on a background with the Yxy color 74.6385, 0.2595, 0.4464.

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

74.6385, 0.2595, 0.4464

Protanopia

73.1009, 0.3728, 0.4014

Deuteranopia

72.7720, 0.3663, 0.3610



Tritanopia

73.9395, 0.2458, 0.3103

Trichromacy



Original Color

74.6385, 0.2595, 0.4464



Protanomaly

69.2414, 0.3115, 0.4230



Deuteranomaly

68.1372, 0.3065, 0.3918



Tritanomaly

73.1193, 0.2476, 0.3564

Monochromacy



Original Color

74.6385, 0.2595, 0.4464



Achromatopsia

44.5201, 0.3127, 0.3290



Achromatomaly

51.4837, 0.2766, 0.3745

CSS Examples

Text

The CSS property to change the color of the text to Yxy 74.6385, 0.2595, 0.4464 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(31, 255, 168)` looks like.

```
.text, #text, p{  
    color:rgb(31, 255, 168)  
}
```

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(31, 255, 168) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(31, 255, 168) }
```

Border

The CSS property to change the border of an element to Yxy 74.6385, 0.2595, 0.4464 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(31, 255, 168) }
```

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

```
.border{ border-color:rgb(31, 255, 168) }
```

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

Here you see how a box with a 4 pixel `rgb(31, 255, 168)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(31, 255, 168); -webkit-box-  
shadow:4px 4px 4px 4px rgb(31, 255, 168);  
box-shadow:4px 4px 4px 4px rgb(31, 255,  
168) }
```


Background

The CSS property to change the background color of an element to Yxy 74.6385, 0.2595, 0.4464 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(31, 255, 168) }
```

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

```
.background{ background-color: rgb(31, 255,  
168) }
```

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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