

Converting Colors

$Y_{xy}(74.2803, 0.2630, 0.4595)$

Have a look what the booklet for
Yxy(74.2803, 0.2630, 0.4595)
contains.

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Color

Yxy(74.2844, 0.2630, 0.4594)

Conversions

Conversions Part 1

Format	Color
Hex	1DFF9F
RGB	29, 255, 159
RGB Percent	11%, 100%, 62%
CMY	0.8856, 0.0000, 0.3765
CMYK	0.89, 0.00, 0.38, 0.00
HSL	154°, 100%, 56%
HSV	154°, 89%, 100%
XYZ	42.5268, 74.2844, 44.8876
YIQ	176.4820, -103.8800, -77.7680

Conversions

Conversions Part 2

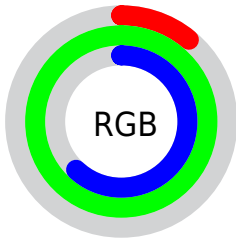
Format	Color
R_{YB}	29, 172, 255
Decimal	1965983
CIE _{Lab}	89.06, -70.41, 32.28
CIE _{LCh}	89, 77.455, 155.369
Yxy	74.2844, 0.2630, 0.4594
Android (android.graphics.Color)	4280156063 (0xFF1DFF9F)
YUV	176.4820, -8.6186, -129.3417
Hunter-Lab	86.1884, -62.7549, 29.4532

Details

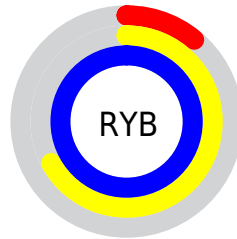
The Yxy color **74.2844, 0.2630, 0.4594** is a dark color, and the websafe version is hex **33FF99**. The color can be described as middle washed spring green. A complement of this color would be **23.6337, 0.5007, 0.2607**, and the grayscale version is **43.7964, 0.3127, 0.3290**.

A 20% lighter version of the original color is **80.4400, 0.2626, 0.3787**, and **40.9940, 0.2685, 0.4866** is the 20% darker color. If you saturate the color by 10%, you get **73.6862, 0.2656, 0.4755**, and if you desaturate by 10%, it is **75.2189, 0.2623, 0.4428**.

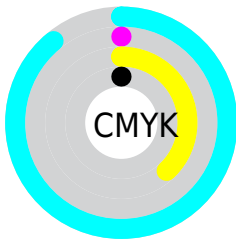
Distribution



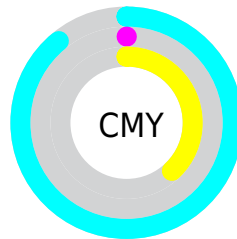
- Red (11%)
- Green (100%)
- Blue (62%)



- Red (11%)
- Yellow (67%)
- Blue (100%)



- Cyan (89%)
- Magenta (0%)
- Yellow (38%)
- Black (0%)




- Cyan (89%)
- Magenta (0%)
- Yellow (38%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 74.2844, 0.2630, 0.4594 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 74.2844, 0.2630, 0.4594 by changing the saturation by 10% instead.


 74.2844, 0.2630,
0.4594

 74.2844, 0.2630,
0.4594


475.4543, 0.2884,
0.3944

 55.0268, 0.2566,
0.4754


 125.2989, 0.2723,
0.4359


 39.4232, 0.2484,
0.4956


 157.8246, 0.2757,
0.4271


 27.0891, 0.2376,
0.5220


 195.5418, 0.2787,
0.4196

 17.6402, 0.2227,
0.5579

 238.8349, 0.2812,
0.4131

 10.6920, 0.2012,
0.6084

 288.0884, 0.2833,
0.4075

 5.8601, 0.1682,
0.6833

343.6865, 0.2852,

 2.7602, 0.0928,

0.4026

0.8942

406.0137, 0.2869,
0.3982

■ 1.0079, 0.0000,
1.0000

■ 0.0000, 0.0000,
0.0000

■ 74.2844, 0.2630,
0.4594

■ 74.2844, 0.2630,
0.4594

■ 73.6862, 0.2656,
0.4755


■ 75.2189, 0.2623,
0.4428

■ 73.6131, 0.2660,
0.4778


■ 76.5560, 0.2636,
0.4259


■ 78.3489, 0.2670,
0.4092

■ 80.6410, 0.2722,
0.3930

 83.4704, 0.2788,
0.3776

 86.8714, 0.2867,
0.3633

 90.8755, 0.2954,
0.3501

 95.5115, 0.3046,
0.3382

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.



74.2844, 0.3483, 0.5010



74.2844, 0.2630, 0.4594



74.2844, 0.1962, 0.3613

Triad

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



74.2844, 0.2630, 0.4594



74.2844, 0.1935, 0.1941



74.2844, 0.4899, 0.3484

Complementary

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



74.2844, 0.2630, 0.4594



23.6337, 0.5007, 0.2607

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.



74.2844, 0.4369, 0.2868



74.2844, 0.2630, 0.4594



74.2844, 0.2558, 0.2027

Square

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



74.2844, 0.2630, 0.4594



74.2844, 0.1628, 0.2138



74.2844, 0.3452, 0.2354



74.2844, 0.4834, 0.4137

Rectangle

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



74.2844, 0.2630, 0.4594



74.2844, 0.1700, 0.2960



74.2844, 0.3452, 0.2354



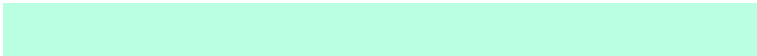
74.2844, 0.4786, 0.3272

Sweetspot

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



74.2864, 0.2630, 0.4594



87.4538, 0.2880, 0.3612



76.1246, 0.3330, 0.5665



18.4491, 0.2852, 0.3659



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.



74.2864, 0.2630, 0.4594



73.6131, 0.2660, 0.4778



69.7721, 0.2210, 0.3102



20.3432, 0.3037, 0.3393



38.4950, 0.2653, 0.4751



3.7700, 0.2602, 0.4568

Inverse Universe

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



23.6337, 0.5007, 0.2607



22.3519, 0.5322, 0.2705



23.1688, 0.6145, 0.3360



18.1153, 0.3227, 0.3189



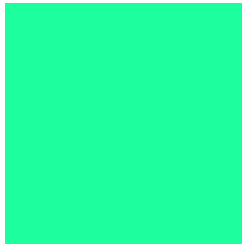
11.7077, 0.5280, 0.2682



1.1613, 0.4989, 0.2522

Previews

White Background



This preview shows how the Yxy color 74.2844, 0.2630, 0.4594 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 74.2844, 0.2630, 0.4594 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

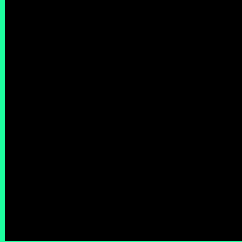
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 74.2844, 0.2630, 0.4594

Background



This preview shows how black text looks on a background with the Yxy color 74.2844, 0.2630, 0.4594.

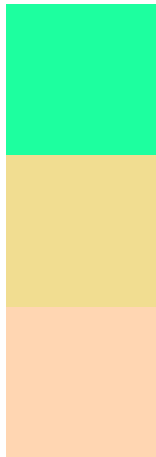


This preview shows how white text looks on a background with the Yxy color 74.2844, 0.2630, 0.4594.

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

74.2844, 0.2630, 0.4594

Protanopia

72.4580, 0.3801, 0.4095

Deuteranopia

72.5675, 0.3700, 0.3662



Tritanopia

73.7783, 0.2450, 0.3102

Trichromacy



Original Color

74.2844, 0.2630, 0.4594



Protanomaly

68.3723, 0.3167, 0.4334



Deuteranomaly

67.8631, 0.3107, 0.4008



Tritanomaly

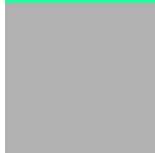
72.8518, 0.2482, 0.3604

Monochromacy



Original Color

74.2844, 0.2630, 0.4594



Achromatopsia

43.9657, 0.3127, 0.3290



Achromatomaly

50.7759, 0.2782, 0.3792

CSS Examples

Text

The CSS property to change the color of the text to Yxy 74.2844, 0.2630, 0.4594 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(29, 255, 159)` looks like.

```
.text, #text, p{  
    color:rgb(29, 255, 159)  
}
```

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(29, 255, 159) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(29, 255, 159) }
```

Border

The CSS property to change the border of an element to Yxy 74.2844, 0.2630, 0.4594 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(29, 255, 159) }
```

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

```
.border{ border-color:rgb(29, 255, 159) }
```

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

Here you see how a box with a 4 pixel `rgb(29, 255, 159)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(29, 255, 159); -webkit-box-  
shadow:4px 4px 4px 4px rgb(29, 255, 159);  
box-shadow:4px 4px 4px 4px rgb(29, 255,  
159) }
```


Background

The CSS property to change the background color of an element to Yxy 74.2844, 0.2630, 0.4594 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(29, 255, 159) }
```

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

```
.background{ background-color: rgb(29, 255,  
159) }
```

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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