

Converting Colors

$Y_{xy}(74.2816, 0.2599, 0.4531)$

Have a look what the booklet for
Yxy(74.2816, 0.2599, 0.4531)
contains.

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Color

Yxy(74.2937, 0.2598, 0.4526)

Conversions

Conversions Part 1

Format	Color
Hex	0EFFA4
RGB	14, 255, 164
RGB Percent	5%, 100%, 64%
CMY	0.9434, 0.0000, 0.3569
CMYK	0.94, 0.00, 0.36, 0.00
HSL	157°, 100%, 53%
HSV	157°, 94%, 100%
XYZ	42.6458, 74.2937, 47.2092
YIQ	172.5670, -114.4250, -79.3930

Conversions

Conversions Part 2

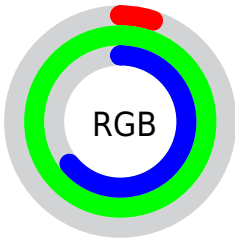
Format	Color
RYB	14, 163, 255
Decimal	982948
CIELab	89.06, -70.07, 29.77
CIELCh	89, 76.130, 156.984
Yxy	74.2937, 0.2598, 0.4526
Android (android.graphics.Color)	4279173028 (0xFF0EFA4)
YUV	172.5670, -4.2235, -139.0633
Hunter-Lab	86.1938, -62.5233, 27.8620

Details

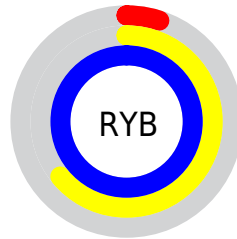
The Yxy color **74.2937, 0.2598, 0.4526** is a dark color, and the websafe version is hex **33FF99**. The color can be described as middle saturated spring green. A complement of this color would be **22.6145, 0.5355, 0.2754**, and the grayscale version is **41.6902, 0.3127, 0.3290**.

A 20% lighter version of the original color is **80.4860, 0.2592, 0.3724**, and **41.0802, 0.2665, 0.4795** is the 20% darker color. If you saturate the color by 10%, you get **74.0069, 0.2613, 0.4607**, and if you desaturate by 10%, it is **75.0113, 0.2583, 0.4380**.

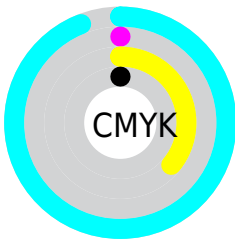
Distribution



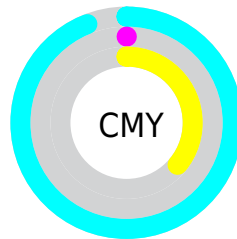
- Red (5%)
- Green (100%)
- Blue (64%)



- Red (5%)
- Yellow (64%)
- Blue (100%)



- Cyan (94%)
- Magenta (0%)
- Yellow (36%)
- Black (0%)




- Cyan (94%)
- Magenta (0%)
- Yellow (36%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 74.2937, 0.2598, 0.4526 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 74.2937, 0.2598, 0.4526 by changing the saturation by 10% instead.


 74.2937, 0.2598,
0.4526

 74.2937, 0.2598,
0.4526


475.4864, 0.2863,
0.3911

 55.0345, 0.2532,
0.4677

 125.3121, 0.2694,
0.4304

 39.4293, 0.2449,
0.4868

 157.8400, 0.2730,
0.4221


 27.0939, 0.2339,
0.5117


 195.5595, 0.2761,
0.4150

 17.6437, 0.2189,
0.5456

 238.8552, 0.2787,
0.4088

 10.6945, 0.1975,
0.5935

 288.1113, 0.2810,
0.4035

 5.8618, 0.1651,
0.6650


343.7123, 0.2830,


 2.7612, 0.0902,


0.3989


0.8436


406.0425, 0.2848,
0.3948


 1.0084, 0.0000,
1.0000


 0.0000, 0.0000,
0.0000


 74.2937, 0.2598,
0.4526


 74.2937, 0.2598,
0.4526


 74.0069, 0.2613,
0.4607

 75.0113, 0.2583,
0.4380


 76.0890, 0.2588,
0.4231


 77.5874, 0.2614,
0.4083


 79.5537, 0.2660,
0.3937

 82.0288, 0.2723,
0.3797

 85.0487, 0.2800,
0.3666

 88.6463, 0.2887,
0.3544

 92.8516, 0.2983,
0.3432

 97.6926, 0.3083,
0.3331

Harmonies

Analogous

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



74.2937, 0.3435, 0.4977



74.2937, 0.2598, 0.4526



74.2937, 0.1953, 0.3554

Triad

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



74.2937, 0.2598, 0.4526



74.2937, 0.1977, 0.1957



74.2937, 0.4882, 0.3520

Complementary

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



74.2937, 0.2598, 0.4526



22.6145, 0.5355, 0.2754

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.



74.2937, 0.4389, 0.2907



74.2937, 0.2598, 0.4526



74.2937, 0.2609, 0.2056

Square

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



74.2937, 0.2598, 0.4526



74.2937, 0.1656, 0.2137



74.2937, 0.3499, 0.2391



74.2937, 0.4791, 0.4164

Rectangle

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



74.2937, 0.2598, 0.4526



74.2937, 0.1707, 0.2922



74.2937, 0.3499, 0.2391



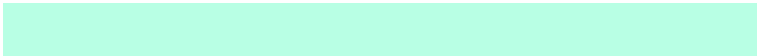
74.2937, 0.4781, 0.3309

Sweetspot

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



74.2967, 0.2598, 0.4526



87.2619, 0.2854, 0.3587



74.6566, 0.3241, 0.5780



18.3499, 0.2817, 0.3640



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.



74.2967, 0.2598, 0.4526



74.0071, 0.2613, 0.4607



62.2182, 0.2154, 0.2933



20.3581, 0.3031, 0.3381



38.7003, 0.2606, 0.4583



3.7894, 0.2561, 0.4419

Inverse Universe

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



22.6145, 0.5355, 0.2754



22.1131, 0.5515, 0.2812



22.9839, 0.6220, 0.3390



18.1008, 0.3235, 0.3200



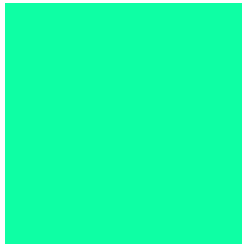
11.5813, 0.5472, 0.2788



1.1481, 0.5163, 0.2618

Previews

White Background



This preview shows how the Yxy color 74.2937, 0.2598, 0.4526 looks on a white background.

Color Contrast Check

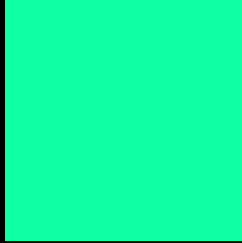
Large Text (above 18pt) WCAG AA × Fail

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 74.2937, 0.2598, 0.4526 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

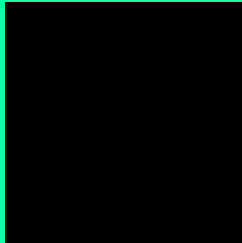
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

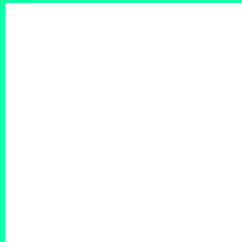
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 74.2937, 0.2598, 0.4526

Background



This preview shows how black text looks on a background with the Yxy color 74.2937, 0.2598, 0.4526.



This preview shows how white text looks on a background with the Yxy color 74.2937, 0.2598, 0.4526.

Color Blindness Simulation

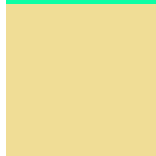
Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy



Original Color

74.2937, 0.2598, 0.4526



Protanopia

72.4402, 0.3759, 0.4046



Deuteranopia

72.6484, 0.3685, 0.3642



Tritanopia

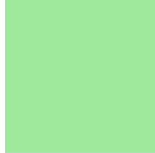
73.7783, 0.2450, 0.3102

Trichromacy



Original Color

74.2937, 0.2598, 0.4526



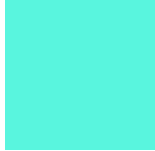
Protanomaly

67.9135, 0.3099, 0.4282



Deuteranomaly

67.4194, 0.3056, 0.3976



Tritanomaly

72.7026, 0.2459, 0.3578

Monochromacy



Original Color

74.2937, 0.2598, 0.4526



Achromatopsia

41.7885, 0.3127, 0.3290



Achromatomaly

49.2590, 0.2732, 0.3772

CSS Examples

Text

The CSS property to change the color of the text to Yxy 74.2937, 0.2598, 0.4526 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(14, 255, 164)` looks like.

```
.text, #text, p{  
    color:rgb(14, 255, 164)  
}
```

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(14, 255, 164) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(14, 255, 164) }
```

Border

The CSS property to change the border of an element to Yxy 74.2937, 0.2598, 0.4526 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(14, 255, 164) }
```

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

```
.border{ border-color:rgb(14, 255, 164) }
```

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

Here you see how a box with a 4 pixel `rgb(14, 255, 164)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(14, 255, 164); -webkit-box-shadow:4px 4px 4px 4px rgb(14, 255, 164); box-shadow:4px 4px 4px 4px rgb(14, 255, 164) }
```


Background

The CSS property to change the background color of an element to Yxy 74.2937, 0.2598, 0.4526 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(14, 255, 164) }
```

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

```
.background{ background-color: rgb(14, 255,  
164) }
```

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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