

Converting Colors

$Y_{xy}(74.2266, 0.2662, 0.4671)$

Have a look what the booklet for
Yxy(74.2266, 0.2662, 0.4671)
contains.

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Color

Yxy(74.2132, 0.2663, 0.4676)

Conversions

Conversions Part 1

Format	Color
Hex	25FF99
RGB	37, 255, 153
RGB Percent	15%, 100%, 60%
CMY	0.8560, 0.0000, 0.4000
CMYK	0.86, 0.00, 0.40, 0.00
HSL	152°, 100%, 57%
HSV	152°, 86%, 100%
XYZ	42.2647, 74.2132, 42.2330
YIQ	178.1900, -97.1860, -77.9380

Conversions

Conversions Part 2

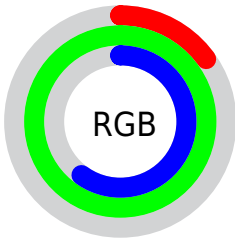
Format	Color
RYB	37, 179, 255
Decimal	2490265
CIELab	89.02, -71.05, 35.22
CIELCh	89, 79.299, 153.634
Yxy	74.2132, 0.2663, 0.4676
Android (android.graphics.Color)	4280680345 (0xFF25FF99)
YUV	178.1900, -12.4187, -123.8236
Hunter-Lab	86.1471, -63.1833, 31.2365

Details

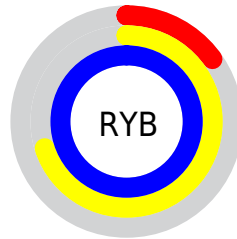
The Yxy color **74.2132, 0.2663, 0.4676** is a dark color, and the websafe version is hex **33FF99**. The color can be described as middle washed spring green. A complement of this color would be **24.4210, 0.4771, 0.2504**, and the grayscale version is **44.6838, 0.3127, 0.3290**.

A 20% lighter version of the original color is **80.3592, 0.2665, 0.3862**, and **40.8721, 0.2714, 0.4972** is the 20% darker color. If you saturate the color by 10%, you get **73.5182, 0.2687, 0.4852**, and if you desaturate by 10%, it is **75.2646, 0.2659, 0.4492**.

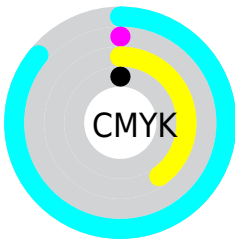
Distribution



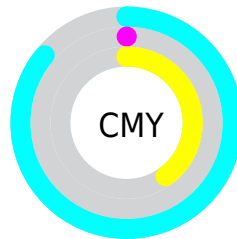
- Red (15%)
- Green (100%)
- Blue (60%)



- Red (15%)
- Yellow (70%)
- Blue (100%)



- Cyan (86%)
- Magenta (0%)
- Yellow (40%)
- Black (0%)





- Cyan (86%)
- Magenta (0%)
- Yellow (40%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 74.2132, 0.2663, 0.4676 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 74.2132, 0.2663, 0.4676 by changing the saturation by 10% instead.

 74.2132, 0.2663,
0.4676


 74.2132, 0.2663,
0.4676

475.2089, 0.2905,
0.3983

 54.9686, 0.2601,
0.4846


 125.1980, 0.2752,
0.4426

 39.3765, 0.2521,
0.5062


 157.7069, 0.2786,
0.4331

 27.0528, 0.2413,
0.5344


 195.4061, 0.2813,
0.4251

 17.6129, 0.2264,
0.5725

 238.6798, 0.2837,
0.4182

 10.6724, 0.2045,
0.6261

287.9126, 0.2858,
0.4123

 5.8470, 0.1705,
0.7044


343.4888, 0.2875,

 2.7523, 0.0885,


0.4070


0.9115


405.7927, 0.2891,
0.4024


 1.0038, 0.0000,
1.0000


 0.0000, 0.0000,
0.0000


 74.2132, 0.2663,
0.4676


 74.2132, 0.2663,
0.4676


 73.5182, 0.2687,
0.4852

 75.2646, 0.2659,
0.4492

 73.2932, 0.2702,
0.4927

 76.7483, 0.2675,
0.4306

 78.7080, 0.2711,
0.4122

 81.1854, 0.2763,
0.3945

■ 84.2178, 0.2830,
0.3778

■ 87.8388, 0.2906,
0.3624

■ 92.0792, 0.2990,
0.3483

■ 96.9677, 0.3077,
0.3355

■ 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.



74.2132, 0.3536, 0.5053



74.2132, 0.2663, 0.4676



74.2132, 0.1966, 0.3682

Triad

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



74.2132, 0.2663, 0.4676



74.2132, 0.1884, 0.1918



74.2132, 0.4926, 0.3445

Complementary

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



74.2132, 0.2663, 0.4676



24.4210, 0.4771, 0.2504

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.



74.2132, 0.4351, 0.2823



74.2132, 0.2663, 0.4676



74.2132, 0.2499, 0.1991

Square

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



74.2132, 0.2663, 0.4676



74.2132, 0.1591, 0.2135



74.2132, 0.3401, 0.2311



74.2132, 0.4889, 0.4108

Rectangle

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



74.2132, 0.2663, 0.4676



74.2132, 0.1688, 0.3002



74.2132, 0.3401, 0.2311



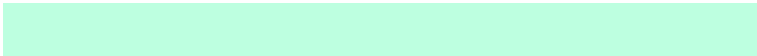
74.2132, 0.4799, 0.3230

Sweetspot

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



74.2079, 0.2663, 0.4676



87.6834, 0.2903, 0.3630



77.4219, 0.3404, 0.5575



18.4865, 0.2876, 0.3682



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.



74.2079, 0.2663, 0.4676



73.2932, 0.2702, 0.4927



76.8287, 0.2255, 0.3244



20.3300, 0.3043, 0.3403



38.3278, 0.2694, 0.4899



3.7539, 0.2639, 0.4701

Inverse Universe

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



24.4210, 0.4771, 0.2504



22.5956, 0.5142, 0.2607



22.9331, 0.6119, 0.3314



18.1284, 0.3221, 0.3179



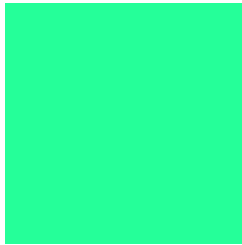
11.8362, 0.5103, 0.2585



1.1743, 0.4831, 0.2435

Previews

White Background



This preview shows how the Yxy color 74.2132, 0.2663, 0.4676 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 74.2132, 0.2663, 0.4676 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

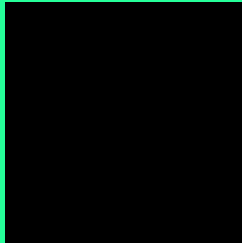
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 74.2132, 0.2663, 0.4676

Background



This preview shows how black text looks on a background with the Yxy color 74.2132, 0.2663, 0.4676.



This preview shows how white text looks on a background with the Yxy color 74.2132, 0.2663, 0.4676.

Color Blindness Simulation

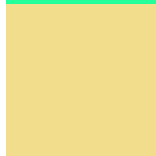
Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy



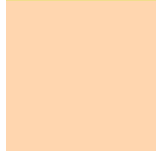
Original Color

74.2132, 0.2663, 0.4676



Protanopia

72.3071, 0.3834, 0.4146



Deuteranopia

72.4483, 0.3723, 0.3693



Tritanopia

73.7783, 0.2450, 0.3102

Trichromacy



Original Color

74.2132, 0.2663, 0.4676



Protanomaly

68.5377, 0.3215, 0.4391



Deuteranomaly

68.0587, 0.3151, 0.4054



Tritanomaly

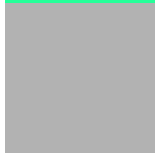
72.9082, 0.2501, 0.3629

Monochromacy



Original Color

74.2132, 0.2663, 0.4676



Achromatopsia

44.5201, 0.3127, 0.3290



Achromatomaly

51.5192, 0.2814, 0.3817

CSS Examples

Text

The CSS property to change the color of the text to Yxy 74.2132, 0.2663, 0.4676 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(37, 255, 153)` looks like.

```
.text, #text, p{  
    color:rgb(37, 255, 153)  
}
```

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(37, 255, 153) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(37, 255, 153) }
```

Border

The CSS property to change the border of an element to Yxy 74.2132, 0.2663, 0.4676 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(37, 255, 153) }
```

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

```
.border{ border-color:rgb(37, 255, 153) }
```

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

Here you see how a box with a 4 pixel `rgb(37, 255, 153)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(37, 255, 153); -webkit-box-  
shadow:4px 4px 4px 4px rgb(37, 255, 153);  
box-shadow:4px 4px 4px 4px rgb(37, 255,  
153) }
```


Background

The CSS property to change the background color of an element to Yxy 74.2132, 0.2663, 0.4676 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(37, 255, 153) }
```

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

```
.background{ background-color: rgb(37, 255,  
153) }
```

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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