

Converting Colors

$Y_{xy}(73.0090, 0.2786, 0.5166)$

Have a look what the booklet for
Yxy(73.0090, 0.2786, 0.5166)
contains.

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Color

Yxy(72.9985, 0.2787, 0.5170)

Conversions

Conversions Part 1

Format	Color
Hex	18FF75
RGB	24, 255, 117
RGB Percent	9%, 100%, 46%
CMY	0.9050, 0.0000, 0.5412
CMYK	0.91, 0.00, 0.54, 0.00
HSL	144°, 100%, 55%
HSV	144°, 91%, 100%
XYZ	39.3514, 72.9985, 28.8464
YIQ	170.1990, -93.3780, -91.8900

Conversions

Conversions Part 2

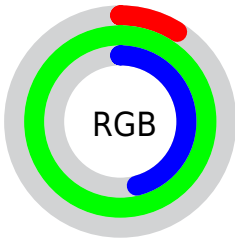
Format	Color
R_{YB}	24, 189, 255
Decimal	1638261
CIE _{Lab}	88.45, -77.54, 51.63
CIE _{LCh}	88, 93.160, 146.344
Yxy	72.9985, 0.2787, 0.5170
Android (android.graphics.Color)	4279828341 (0xFF18FF75)
YUV	170.1990, -26.2271, -128.2165
Hunter-Lab	85.4392, -67.3053, 39.7896

Details

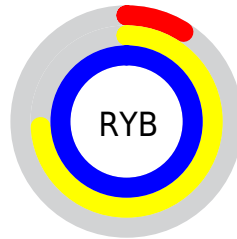
The Yxy color **72.9985, 0.2787, 0.5170** is a dark color, and the websafe version is hex **33FF66**. The color can be described as dark washed spring green. A complement of this color would be **24.5385, 0.4409, 0.2249**, and the grayscale version is **40.5059, 0.3127, 0.3290**.

A 20% lighter version of the original color is **78.4916, 0.2816, 0.4338**, and **40.3027, 0.2873, 0.5542** is the 20% darker color. If you saturate the color by 10%, you get **72.4898, 0.2821, 0.5355**, and if you desaturate by 10%, it is **73.8639, 0.2766, 0.4954**.

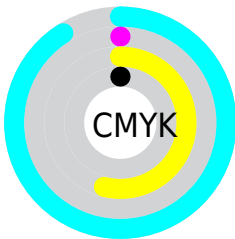
Distribution



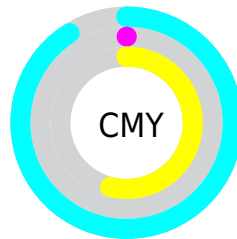
- Red (9%)
- Green (100%)
- Blue (46%)



- Red (9%)
- Yellow (74%)
- Blue (100%)



- Cyan (91%)
- Magenta (0%)
- Yellow (54%)
- Black (0%)




- Cyan (91%)
- Magenta (0%)
- Yellow (54%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 72.9985, 0.2787, 0.5170 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 72.9985, 0.2787, 0.5170 by changing the saturation by 10% instead.


 72.9985, 0.2787,
0.5170

 72.9985, 0.2787,
0.5170


471.0096, 0.2998,
0.4220


 53.9747, 0.2724,
0.5402


 123.4751, 0.2872,
0.4827

 38.5815, 0.2638,
0.5695

 155.6967, 0.2901,
0.4697

 26.4343, 0.2517,
0.6071


 193.0864, 0.2925,
0.4587

 17.1488, 0.2337,
0.6566

 236.0285, 0.2945,
0.4493

 10.3407, 0.2061,
0.7223

284.9075, 0.2961,
0.4411

 5.6254, 0.1670,
0.8330


340.1078, 0.2975,

 2.6187, 0.0180,


0.4339


0.9820


402.0137, 0.2987,
0.4276


 0.9361, 0.0000,
1.0000


 0.0000, 0.0000,
0.0000


 72.9985, 0.2787,
0.5170


 72.9985, 0.2787,
0.5170


 72.4898, 0.2821,
0.5355


 73.8639, 0.2766,
0.4954

 75.1471, 0.2764,
0.4722


 76.9059, 0.2781,
0.4486

 79.1865, 0.2815,
0.4251

 82.0295, 0.2863,
0.4027

 85.4711, 0.2920,
0.3817

 89.5448, 0.2985,
0.3625

 94.2810, 0.3054,
0.3452

99.7086, 0.3124,
0.3297

Harmonies

Analogous

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



72.9985, 0.3787, 0.5319



72.9985, 0.2787, 0.5170



72.9985, 0.1931, 0.4066

Triad

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



72.9985, 0.2787, 0.5170



72.9985, 0.1600, 0.1752



72.9985, 0.5139, 0.3245

Complementary

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



72.9985, 0.2787, 0.5170



24.5385, 0.4409, 0.2249

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.



72.9985, 0.4314, 0.2584



72.9985, 0.2787, 0.5170



72.9985, 0.2189, 0.1770

Square

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



72.9985, 0.2787, 0.5170



72.9985, 0.1361, 0.2063



72.9985, 0.3156, 0.2062



72.9985, 0.5229, 0.3972

Rectangle

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



72.9985, 0.2787, 0.5170



72.9985, 0.1565, 0.3199



72.9985, 0.3156, 0.2062



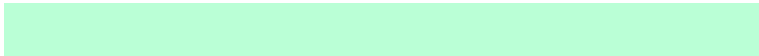
72.9985, 0.4936, 0.3016

Sweetspot

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



73.0014, 0.2787, 0.5170



86.8243, 0.2942, 0.3748



79.3405, 0.3544, 0.5517



18.3014, 0.2921, 0.3816



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.



73.0014, 0.2787, 0.5170



72.4898, 0.2821, 0.5355



77.5386, 0.2338, 0.3576



20.2892, 0.3060, 0.3436



37.9051, 0.2812, 0.5325



3.7116, 0.2750, 0.5098

Inverse Universe

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



24.5385, 0.4409, 0.2249



23.5426, 0.4582, 0.2298



22.1300, 0.6101, 0.3208



18.1695, 0.3200, 0.3149



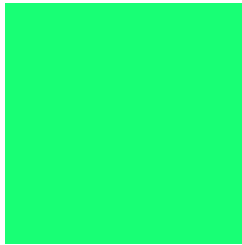
12.3319, 0.4553, 0.2282



1.2223, 0.4357, 0.2174

Previews

White Background



This preview shows how the Yxy color 72.9985, 0.2787, 0.5170 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 72.9985, 0.2787, 0.5170 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 72.9985, 0.2787, 0.5170

Background



This preview shows how black text looks on a background with the Yxy color 72.9985, 0.2787, 0.5170.

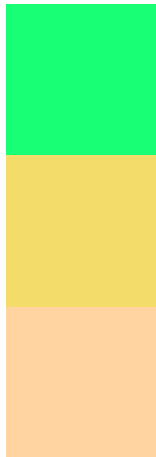


This preview shows how white text looks on a background with the Yxy color 72.9985, 0.2787, 0.5170.

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

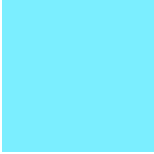
72.9985, 0.2787, 0.5170

Protanopia

71.2817, 0.4062, 0.4444

Deuteranopia

70.8850, 0.3841, 0.3827



Tritanopia

72.5800, 0.2417, 0.3089

Trichromacy



Original Color

72.9985, 0.2787, 0.5170



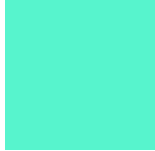
Protanomaly

67.1901, 0.3374, 0.4817



Deuteranomaly

66.1583, 0.3255, 0.4345



Tritanomaly

71.1354, 0.2524, 0.3795

Monochromacy



Original Color

72.9985, 0.2787, 0.5170



Achromatopsia

40.1978, 0.3127, 0.3290



Achromatomaly

47.7896, 0.2857, 0.4039

CSS Examples

Text

The CSS property to change the color of the text to Yxy 72.9985, 0.2787, 0.5170 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(24, 255, 117)` looks like.

```
.text, #text, p{  
    color:rgb(24, 255, 117)  
}
```

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(24, 255, 117) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(24, 255, 117) }
```

Border

The CSS property to change the border of an element to Yxy 72.9985, 0.2787, 0.5170 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(24, 255, 117) }
```

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

```
.border{ border-color:rgb(24, 255, 117) }
```

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

Here you see how a box with a 4 pixel `rgb(24, 255, 117)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(24, 255, 117); -webkit-box-  
shadow:4px 4px 4px 4px rgb(24, 255, 117);  
box-shadow:4px 4px 4px 4px rgb(24, 255,  
117) }
```


Background

The CSS property to change the background color of an element to $\text{Yxy } 72.9985, 0.2787, 0.5170$ is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(24, 255, 117) }
```

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

```
.background{ background-color: rgb(24, 255,  
117) }
```

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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