

Converting Colors

$Y_{xy}(72.8103, 0.2778, 0.5190)$

Have a look what the booklet for
Yxy(72.8103, 0.2778, 0.5190)
contains.

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Color

Yxy(72.8132, 0.2778, 0.5189)

Conversions

Conversions Part 1

Format	Color
Hex	06FF74
RGB	6, 255, 116
RGB Percent	2%, 100%, 45%
CMY	0.9779, 0.0000, 0.5450
CMYK	0.98, 0.00, 0.55, 0.00
HSL	147°, 100%, 51%
HSV	147°, 98%, 100%
XYZ	38.9815, 72.8132, 28.5275
YIQ	164.7030, -103.7850, -96.0170

Conversions

Conversions Part 2

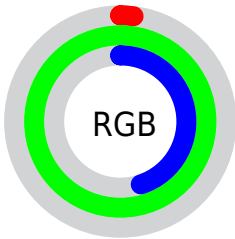
Format	Color
RYB	6, 179, 255
Decimal	458612
CIELab	88.36, -78.33, 51.95
CIELCh	88, 93.996, 146.448
Yxy	72.8132, 0.2778, 0.5189
Android (android.graphics.Color)	4278648692 (0xFF06FF74)
YUV	164.7030, -24.0106, -139.1825
Hunter-Lab	85.3307, -67.7847, 39.9098

Details

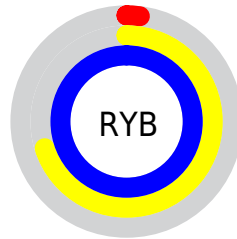
The Yxy color **72.8132, 0.2778, 0.5189** is a dark color, and the websafe version is hex **00FF66**. The color can be described as dark saturated spring green. A complement of this color would be **23.4146, 0.4709, 0.2377**, and the grayscale version is **37.5773, 0.3127, 0.3290**.

A 20% lighter version of the original color is **78.2422, 0.2808, 0.4355**, and **39.8277, 0.2879, 0.5563** is the 20% darker color. If you saturate the color by 10%, you get **72.7078, 0.2786, 0.5230**, and if you desaturate by 10%, it is **73.4298, 0.2746, 0.4994**.

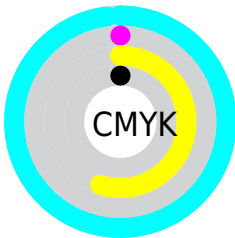
Distribution



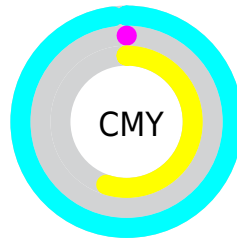
- Red (2%)
- Green (100%)
- Blue (45%)



- Red (2%)
- Yellow (70%)
- Blue (100%)



- Cyan (98%)
- Magenta (0%)
- Yellow (55%)
- Black (0%)





- Cyan (98%)
- Magenta (0%)
- Yellow (55%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 72.8132, 0.2778, 0.5189 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 72.8132, 0.2778, 0.5189 by changing the saturation by 10% instead.


 72.8132, 0.2778,
0.5189


 72.8132, 0.2778,
0.5189


470.3671, 0.2994,
0.4229


 53.8232, 0.2713,
0.5424


 123.2120, 0.2865,
0.4842

 38.4604, 0.2626,
0.5720


 155.3896, 0.2895,
0.4711


 26.3402, 0.2501,
0.6101


 192.7319, 0.2920,
0.4599

 17.0783, 0.2318,
0.6601

 235.6232, 0.2940,
0.4504

 10.2903, 0.2036,
0.7263

 284.4480, 0.2957,
0.4421

 5.5919, 0.1635,
0.8365


339.5907, 0.2971,

 2.5985, 0.0074,


0.4349


0.9926

401.4356, 0.2983,
0.4285


 0.9259, 0.0000,
1.0000


 0.0000, 0.0000,
0.0000


 72.8132, 0.2778,
0.5189


 72.8132, 0.2778,
0.5189


 72.7078, 0.2786,
0.5230

 73.4298, 0.2746,
0.4994


 74.4049, 0.2731,
0.4782

 75.8098, 0.2737,
0.4562


 77.6960, 0.2762,
0.4341

 80.1076, 0.2803,
0.4125

 83.0833, 0.2858,
0.3920

 86.6582, 0.2922,
0.3730

 90.8644, 0.2993,
0.3556

 95.7315, 0.3068,
0.3400

Harmonies

Analogous

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



72.8132, 0.3785, 0.5338



72.8132, 0.2778, 0.5189



72.8132, 0.1917, 0.4069

Triad

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



72.8132, 0.2778, 0.5189



72.8132, 0.1590, 0.1740



72.8132, 0.5159, 0.3245

Complementary

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



72.8132, 0.2778, 0.5189



23.4146, 0.4709, 0.2377

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.



72.8132, 0.4329, 0.2580



72.8132, 0.2778, 0.5189



72.8132, 0.2184, 0.1759

Square

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



72.8132, 0.2778, 0.5189



72.8132, 0.1348, 0.2050



72.8132, 0.3160, 0.2054



72.8132, 0.5245, 0.3976

Rectangle

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



72.8132, 0.2778, 0.5189



72.8132, 0.1551, 0.3192



72.8132, 0.3160, 0.2054



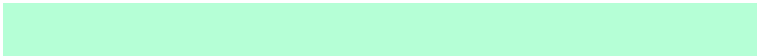
72.8132, 0.4956, 0.3014

Sweetspot

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



72.8162, 0.2778, 0.5189



86.1938, 0.2914, 0.3752



77.7285, 0.3460, 0.5625



18.1134, 0.2886, 0.3832



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.



72.8162, 0.2778, 0.5189



72.7095, 0.2786, 0.5230



77.7498, 0.2306, 0.3494



20.3018, 0.3055, 0.3425



38.0212, 0.2778, 0.5200



3.7236, 0.2716, 0.4979

Inverse Universe

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



23.4146, 0.4709, 0.2377



23.2167, 0.4754, 0.2393



21.4409, 0.6317, 0.3268



18.1566, 0.3206, 0.3158



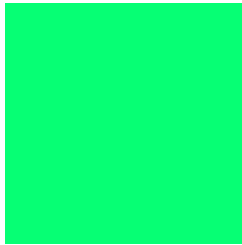
12.1618, 0.4722, 0.2375



1.2062, 0.4501, 0.2253

Previews

White Background



This preview shows how the Yxy color 72.8132, 0.2778, 0.5189 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 72.8132, 0.2778, 0.5189 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 72.8132, 0.2778, 0.5189

Background



This preview shows how black text looks on a background with the Yxy color 72.8132, 0.2778, 0.5189.

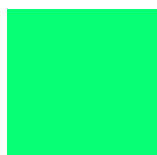


This preview shows how white text looks on a background with the Yxy color 72.8132, 0.2778, 0.5189.

Color Blindness Simulation

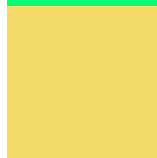
Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy



Original Color

72.8197, 0.2778, 0.5189



Protanopia

71.2610, 0.4068, 0.4452



Deuteranopia

70.8850, 0.3841, 0.3827



Tritanopia

72.4340, 0.2409, 0.3088

Trichromacy



Original Color

72.8197, 0.2778, 0.5189



Protanomaly

66.5501, 0.3337, 0.4849



Deuteranomaly

65.3929, 0.3207, 0.4361



Tritanomaly

70.7233, 0.2505, 0.3812

Monochromacy



Original Color

72.8197, 0.2778, 0.5189



Achromatopsia

37.6262, 0.3127, 0.3290



Achromatomaly

45.6206, 0.2817, 0.4077

CSS Examples

Text

The CSS property to change the color of the text to Yxy 72.8132, 0.2778, 0.5189 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(6, 255, 116)` looks like.

```
.text, #text, p{  
    color:rgb(6, 255, 116)  
}
```

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(6, 255, 116) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(6, 255, 116) }
```

Border

The CSS property to change the border of an element to Yxy 72.8132, 0.2778, 0.5189 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(6, 255, 116) }
```

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

```
.border{ border-color:rgb(6, 255, 116) }
```

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

Here you see how a box with a 4 pixel `rgb(6, 255, 116)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(6, 255, 116); -webkit-box-  
shadow:4px 4px 4px 4px rgb(6, 255, 116);  
box-shadow:4px 4px 4px 4px rgb(6, 255,  
116) }
```


Background

The CSS property to change the background color of an element to Yxy 72.8132, 0.2778, 0.5189 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(6, 255, 116) }
```

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

```
.background{ background-color: rgb(6, 255,  
116) }
```

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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