

Converting Colors

$Y_{xy}(72.4009, 0.2738, 0.5054)$

Have a look what the booklet for
Yxy(72.4009, 0.2738, 0.5054)
contains.

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Color

Yxy(72.3964, 0.2738, 0.5053)

Conversions

Conversions Part 1

Format	Color
Hex	02FE7E
RGB	2, 254, 126
RGB Percent	1%, 100%, 49%
CMY	0.9928, 0.0039, 0.5058
CMYK	0.99, 0.00, 0.50, 0.00
HSL	150°, 99%, 50%
HSV	150°, 99%, 100%
XYZ	39.2284, 72.3964, 31.6492
YIQ	164.0600, -109.1040, -93.2320

Conversions

Conversions Part 2

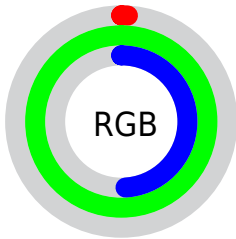
Format	Color
RYB	2, 171, 254
Decimal	196222
CIELab	88.16, -76.69, 47.10
CIELCh	88, 90.000, 148.444
Yxy	72.3964, 0.2738, 0.5053
Android (android.graphics.Color)	4278386302 (0xFF02FE7E)
YUV	164.0600, -18.7636, -142.1266
Hunter-Lab	85.0861, -66.6042, 37.5063

Details

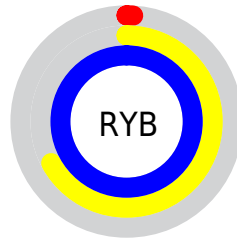
The Yxy color **72.3964, 0.2738, 0.5053** is a dark color, and the websafe version is hex **33FF66**. The color can be described as dark saturated spring green. A complement of this color would be **22.7164, 0.4952, 0.2505**, and the grayscale version is **37.2586, 0.3127, 0.3290**.

A 20% lighter version of the original color is **78.5692, 0.2757, 0.4223**, and **39.9609, 0.2837, 0.5414** is the 20% darker color. If you saturate the color by 10%, you get **72.3636, 0.2741, 0.5066**, and if you desaturate by 10%, it is **72.9783, 0.2706, 0.4869**.

Distribution



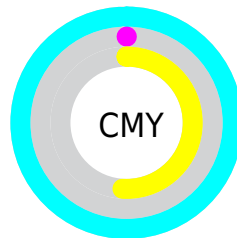
- Red (1%)
- Green (100%)
- Blue (49%)



- Red (1%)
- Yellow (67%)
- Blue (100%)



- Cyan (99%)
- Magenta (0%)
- Yellow (50%)
- Black (0%)





- Cyan (99%)
- Magenta (0%)
- Yellow (51%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 72.3964, 0.2738, 0.5053 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 72.3964, 0.2738, 0.5053 by changing the saturation by 10% instead.


 72.3964, 0.2738,
0.5053


 72.3964, 0.2738,
0.5053


468.9202, 0.2964,
0.4161


 53.4826, 0.2674,
0.5273


 122.6199, 0.2827,
0.4730


 38.1881, 0.2587,
0.5551


 154.6984, 0.2858,
0.4608


 26.1287, 0.2467,
0.5911


 191.9339, 0.2884,
0.4505

 16.9200, 0.2292,
0.6390

 234.7108, 0.2905,
0.4416

 10.1774, 0.2026,
0.7041

 283.4135, 0.2924,
0.4340

 5.5168, 0.1657,
0.8192


338.4263, 0.2939,

 2.5535, 0.0149,


0.4273


0.9851


400.1337, 0.2953,
0.4213


 0.9034, 0.0000,
1.0000


 0.0000, 0.0000,
0.0000


 72.3964, 0.2738,
0.5053

 72.3964, 0.2738,
0.5053


 72.3636, 0.2741,
0.5066


 72.9783, 0.2706,
0.4869


 73.8881, 0.2691,
0.4674


 75.2071, 0.2697,
0.4473


 76.9874, 0.2723,
0.4271

 79.2730, 0.2766,
0.4075

 82.1025, 0.2824,
0.3888

 85.5107, 0.2893,
0.3714

 89.5293, 0.2969,
0.3554

 94.1877, 0.3050,
0.3410

Harmonies

Analogous

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



72.3964, 0.3714, 0.5280



72.3964, 0.2738, 0.5053



72.3964, 0.1920, 0.3951

Triad

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



72.3964, 0.2738, 0.5053



72.3964, 0.1665, 0.1780



72.3964, 0.5110, 0.3303

Complementary

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



72.3964, 0.2738, 0.5053



22.7164, 0.4952, 0.2505

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.



72.3964, 0.4352, 0.2647



72.3964, 0.2738, 0.5053



72.3964, 0.2270, 0.1816

Square

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



72.3964, 0.2738, 0.5053



72.3964, 0.1407, 0.2064



72.3964, 0.3235, 0.2121



72.3964, 0.5155, 0.4021

Rectangle

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



72.3964, 0.2738, 0.5053



72.3964, 0.1579, 0.3127



72.3964, 0.3235, 0.2121



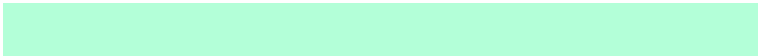
72.3964, 0.4929, 0.3076

Sweetspot

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



72.3993, 0.2738, 0.5053



86.0111, 0.2887, 0.3726



75.7997, 0.3380, 0.5695



18.0878, 0.2858, 0.3798



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.



72.3993, 0.2738, 0.5053



73.0155, 0.2741, 0.5066



77.7817, 0.2261, 0.3339



20.3173, 0.3048, 0.3413



38.1822, 0.2732, 0.5037



3.7397, 0.2674, 0.4827

Inverse Universe

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



22.7164, 0.4952, 0.2505



22.8562, 0.4969, 0.2511



21.1230, 0.6380, 0.3293



18.1409, 0.3214, 0.3170



11.9731, 0.4932, 0.2491



1.1879, 0.4682, 0.2353

Previews

White Background



This preview shows how the Yxy color 72.3964, 0.2738, 0.5053 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 72.3964, 0.2738, 0.5053 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 72.3964, 0.2738, 0.5053

Background



This preview shows how black text looks on a background with the Yxy color 72.3964, 0.2738, 0.5053.

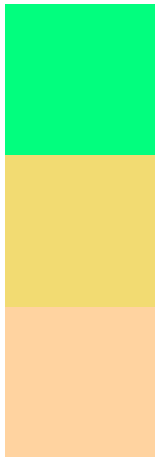


This preview shows how white text looks on a background with the Yxy color 72.3964, 0.2738, 0.5053.

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

72.4029, 0.2738, 0.5053

Protanopia

70.7552, 0.4014, 0.4370

Deuteranopia

70.3866, 0.3844, 0.3818



Tritanopia

71.6399, 0.2396, 0.3075

Trichromacy



Original Color

72.4029, 0.2738, 0.5053



Protanomaly

65.9898, 0.3281, 0.4744



Deuteranomaly

64.8628, 0.3178, 0.4301



Tritanomaly

70.1918, 0.2477, 0.3746

Monochromacy



Original Color

72.4029, 0.2738, 0.5053



Achromatopsia

37.1238, 0.3127, 0.3290



Achromatomaly

45.1378, 0.2786, 0.4018

CSS Examples

Text

The CSS property to change the color of the text to Yxy 72.3964, 0.2738, 0.5053 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(2, 254, 126)` looks like.

```
.text, #text, p{  
    color:rgb(2, 254, 126)  
}
```

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(2, 254, 126) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(2, 254, 126) }
```

Border

The CSS property to change the border of an element to Yxy 72.3964, 0.2738, 0.5053 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(2, 254, 126) }
```

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

```
.border{ border-color:rgb(2, 254, 126) }
```

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

Here you see how a box with a 4 pixel rgb(2, 254, 126) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(2, 254, 126); -webkit-box-  
shadow:4px 4px 4px 4px rgb(2, 254, 126);  
box-shadow:4px 4px 4px 4px rgb(2, 254,  
126) }
```


Background

The CSS property to change the background color of an element to Yxy 72.3964, 0.2738, 0.5053 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(2, 254, 126) }
```

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

```
.background{ background-color: rgb(2, 254,  
126) }
```

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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