

Converting Colors

$Y_{xy}(100.0000, 0.2658, 0.5356)$

Have a look what the booklet for
Yxy(100.0000, 0.2658, 0.5356)
contains.

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Color

Yxy(73.0785, 0.2732, 0.5034)

Conversions

Conversions Part 1

Format	Color
Hex	01FF80
RGB	1, 255, 128
RGB Percent	0%, 100%, 50%
CMY	0.9978, 0.0000, 0.4981
CMYK	1.00, 0.00, 0.50, 0.00
HSL	150°, 100%, 50%
HSV	150°, 100%, 100%
XYZ	39.6604, 73.0785, 32.4309
YIQ	164.5760, -110.6170, -93.3450

Conversions

Conversions Part 2

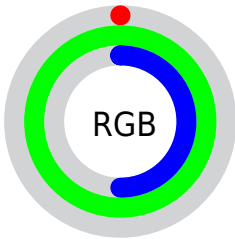
Format	Color
RYB	1, 170, 255
Decimal	130944
CIELab	88.49, -76.74, 46.58
CIELCh	88, 89.767, 148.741
Yxy	73.0785, 0.2732, 0.5034
Android (android.graphics.Color)	4278321024 (0xFF01FF80)
YUV	164.5760, -18.0320, -143.4562
Hunter-Lab	85.4860, -66.7871, 37.3472

Details

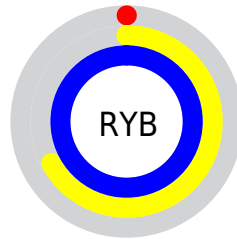
The Yxy color **73.0785, 0.2732, 0.5034** is a dark color, and the websafe version is hex **33FF66**. The color can be described as dark saturated spring green. A complement of this color would be **22.8197, 0.4999, 0.2529**, and the grayscale version is **37.4739, 0.3127, 0.3290**.

A 20% lighter version of the original color is **78.6519, 0.2748, 0.4196**, and **40.4405, 0.2831, 0.5391** is the 20% darker color. If you saturate the color by 10%, you get **73.0704, 0.2733, 0.5038**, and if you desaturate by 10%, it is **73.6548, 0.2700, 0.4853**.

Distribution



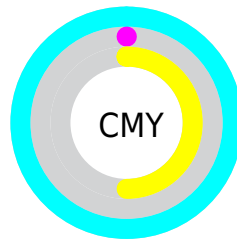
- Red (0%)
- Green (100%)
- Blue (50%)



- Red (0%)
- Yellow (67%)
- Blue (100%)



- Cyan (100%)
- Magenta (0%)
- Yellow (50%)
- Black (0%)




- Cyan (100%)
- Magenta (0%)
- Yellow (50%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 73.0785, 0.2732, 0.5034 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 73.0785, 0.2732, 0.5034 by changing the saturation by 10% instead.


 73.0785, 0.2732,
0.5034


 73.0785, 0.2732,
0.5034


471.2868, 0.2960,
0.4153


 54.0402, 0.2668,
0.5251


 123.5886, 0.2821,
0.4715


 38.6338, 0.2582,
0.5525


 155.8292, 0.2852,
0.4595


 26.4749, 0.2463,
0.5880


 193.2394, 0.2878,
0.4493

 17.1793, 0.2291,
0.6353

 236.2034, 0.2900,
0.4405

 10.3624, 0.2029,
0.6995

 285.1058, 0.2918,
0.4330

 5.6399, 0.1659,
0.8087


340.3309, 0.2934,

 2.6274, 0.0266,


0.4263

0.9734


402.2631, 0.2948,
0.4205

 0.9404, 0.0000,
1.0000


 0.0000, 0.0000,
0.0000


 73.0785, 0.2732,
0.5034


 73.0785, 0.2732,
0.5034

 73.0704, 0.2733,
0.5038

 73.6548, 0.2700,
0.4853

 74.5529, 0.2685,
0.4661

 75.8598, 0.2690,
0.4463

 77.6284, 0.2715,
0.4264

■ 79.9035, 0.2759,
0.4071

■ 82.7242, 0.2817,
0.3887

■ 86.1257, 0.2886,
0.3715

■ 90.1402, 0.2963,
0.3557

■ 94.7975, 0.3045,
0.3415

Harmonies

Analogous

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



73.0785, 0.3704, 0.5272



73.0785, 0.2732, 0.5034



73.0785, 0.1920, 0.3935

Triad

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



73.0785, 0.2732, 0.5034



73.0785, 0.1675, 0.1786



73.0785, 0.5103, 0.3312

Complementary

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



73.0785, 0.2732, 0.5034



22.8197, 0.4999, 0.2529

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.



73.0785, 0.4355, 0.2656



73.0785, 0.2732, 0.5034



73.0785, 0.2282, 0.1824

Square

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



73.0785, 0.2732, 0.5034



73.0785, 0.1415, 0.2065



73.0785, 0.3246, 0.2130



73.0785, 0.5143, 0.4028

Rectangle

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



73.0785, 0.2732, 0.5034



73.0785, 0.1582, 0.3118



73.0785, 0.3246, 0.2130



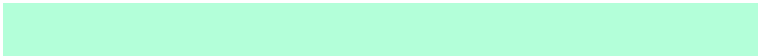
73.0785, 0.4925, 0.3085

Sweetspot

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



73.0815, 0.2732, 0.5034



86.0442, 0.2884, 0.3719



76.0933, 0.3354, 0.5718



18.0956, 0.2854, 0.3790



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.



73.0815, 0.2732, 0.5034



73.0707, 0.2733, 0.5038



78.7433, 0.2247, 0.3287



20.3199, 0.3047, 0.3411



38.2112, 0.2725, 0.5009



3.7425, 0.2667, 0.4801

Inverse Universe

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



22.8197, 0.4999, 0.2529



22.8001, 0.5005, 0.2531



21.2734, 0.6398, 0.3300



18.1383, 0.3216, 0.3172



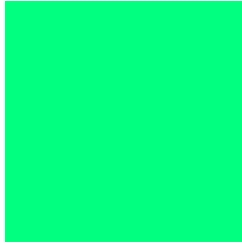
11.9437, 0.4968, 0.2510



1.1850, 0.4713, 0.2370

Previews

White Background



This preview shows how the Yxy color 73.0785, 0.2732, 0.5034 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 73.0785, 0.2732, 0.5034 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 73.0785, 0.2732, 0.5034

Background



This preview shows how black text looks on a background with the Yxy color 73.0785, 0.2732, 0.5034.

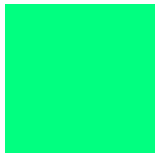


This preview shows how white text looks on a background with the Yxy color 73.0785, 0.2732, 0.5034.

Color Blindness Simulation

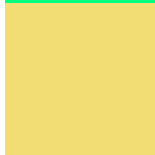
Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy



Original Color

73.0850, 0.2732, 0.5034



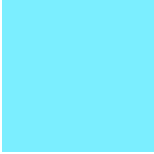
Protanopia

71.3246, 0.3997, 0.4361



Deuteranopia

71.5288, 0.3807, 0.3796



Tritanopia

72.5800, 0.2417, 0.3089

Trichromacy



Original Color

73.0850, 0.2732, 0.5034



Protanomaly

66.5039, 0.3263, 0.4732



Deuteranomaly

65.4026, 0.3152, 0.4275



Tritanomaly

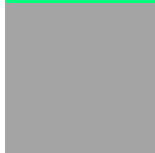
70.9245, 0.2481, 0.3744

Monochromacy



Original Color

73.0850, 0.2732, 0.5034



Achromatopsia

37.1238, 0.3127, 0.3290



Achromatomaly

45.1701, 0.2779, 0.4001

CSS Examples

Text

The CSS property to change the color of the text to Yxy 73.0785, 0.2732, 0.5034 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(1, 255, 128)` looks like.

```
.text, #text, p{  
    color:rgb(1, 255, 128)  
}
```

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(1, 255, 128) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(1, 255, 128) }
```

Border

The CSS property to change the border of an element to Yxy 73.0785, 0.2732, 0.5034 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(1, 255, 128) }
```

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

```
.border{ border-color:rgb(1, 255, 128) }
```

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

Here you see how a box with a 4 pixel rgb(1, 255, 128) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(1, 255, 128); -webkit-box-  
shadow:4px 4px 4px 4px rgb(1, 255, 128);  
box-shadow:4px 4px 4px 4px rgb(1, 255,  
128) }
```


Background

The CSS property to change the background color of an element to Yxy 73.0785, 0.2732, 0.5034 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(1, 255, 128) }
```

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

```
.background{ background-color: rgb(1, 255,  
128) }
```

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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