

Converting Colors

$Y_{xy}(73.2421, 0.2790, 0.5127)$

Have a look what the booklet for
Yxy(73.2421, 0.2790, 0.5127)
contains.

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Color

Yxy(73.2511, 0.2790, 0.5125)

Conversions

Conversions Part 1

Format	Color
Hex	24FF78
RGB	36, 255, 120
RGB Percent	14%, 100%, 47%
CMY	0.8587, 0.0000, 0.5295
CMYK	0.86, 0.00, 0.53, 0.00
HSL	143°, 100%, 57%
HSV	143°, 86%, 100%
XYZ	39.8772, 73.2511, 29.8007
YIQ	174.1290, -87.1890, -88.4130

Conversions

Conversions Part 2

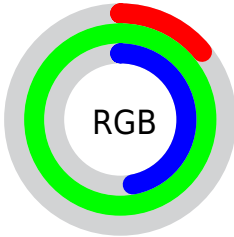
Format	Color
RYB	36, 194, 255
Decimal	2424696
CIELab	88.57, -76.41, 50.44
CIELCh	89, 91.555, 146.573
Yxy	73.2511, 0.2790, 0.5125
Android (android.graphics.Color)	4280614776 (0xFF24FF78)
YUV	174.1290, -26.6856, -121.1391
Hunter-Lab	85.5869, -66.6091, 39.2665

Details

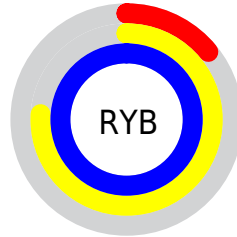
The Yxy color **73.2511, 0.2790, 0.5125** is a dark color, and the websafe version is hex **33FF66**. The color can be described as middle washed spring green. A complement of this color would be **25.4644, 0.4260, 0.2204**, and the grayscale version is **42.5725, 0.3127, 0.3290**.

A 20% lighter version of the original color is **78.9002, 0.2819, 0.4294**, and **40.3378, 0.2862, 0.5503** is the 20% darker color. If you saturate the color by 10%, you get **72.5927, 0.2821, 0.5332**, and if you desaturate by 10%, it is **74.2979, 0.2777, 0.4896**.

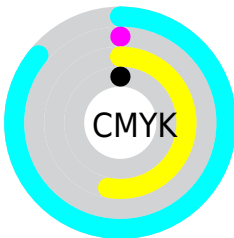
Distribution



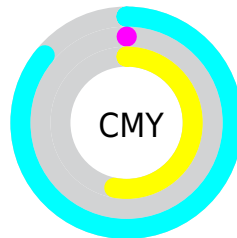
- Red (14%)
- Green (100%)
- Blue (47%)



- Red (14%)
- Yellow (76%)
- Blue (100%)



- Cyan (86%)
- Magenta (0%)
- Yellow (53%)
- Black (0%)





- Cyan (86%)
- Magenta (0%)
- Yellow (53%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 73.2511, 0.2790, 0.5125 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 73.2511, 0.2790, 0.5125 by changing the saturation by 10% instead.

 73.2511, 0.2790,
0.5125


 73.2511, 0.2790,
0.5125


471.8846, 0.2997,
0.4199

 54.1813, 0.2729,
0.5352


 123.8336, 0.2873,
0.4790


 38.7466, 0.2645,
0.5637


 156.1151, 0.2902,
0.4664

 26.5627, 0.2528,
0.6005


 193.5693, 0.2925,
0.4557

 17.2451, 0.2355,
0.6489

 236.5806, 0.2945,
0.4465

 10.4094, 0.2087,
0.7137

285.5334, 0.2961,
0.4385

 5.6712, 0.1719,
0.8281

340.8121, 0.2975,

 2.6462, 0.0323,

0.4315

0.9677

402.8010, 0.2986,
0.4254

■ 0.9499, 0.0000,
1.0000

■ 0.0000, 0.0000,
0.0000

■ 73.2511, 0.2790,
0.5125

■ 73.2511, 0.2790,
0.5125

■ 72.5927, 0.2821,
0.5332

■ 74.2979, 0.2777,
0.4896


■ 72.3977, 0.2836,
0.5410


■ 75.7955, 0.2783,
0.4655

■ 77.7945, 0.2807,
0.4412

■ 80.3385, 0.2846,
0.4174

 83.4662, 0.2897,
0.3949

 87.2126, 0.2956,
0.3740

 91.6098, 0.3021,
0.3551

 96.6878, 0.3087,
0.3381

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.



73.2511, 0.3776, 0.5287



73.2511, 0.2790, 0.5125



73.2511, 0.1946, 0.4042

Triad

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



73.2511, 0.2790, 0.5125



73.2511, 0.1624, 0.1772



73.2511, 0.5107, 0.3256

Complementary

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



73.2511, 0.2790, 0.5125



25.4644, 0.4260, 0.2204

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.



73.2511, 0.4301, 0.2601



73.2511, 0.2790, 0.5125



73.2511, 0.2210, 0.1791

Square

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



73.2511, 0.2790, 0.5125



73.2511, 0.1385, 0.2080



73.2511, 0.3166, 0.2082



73.2511, 0.5195, 0.3976

Rectangle

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



73.2511, 0.2790, 0.5125



73.2511, 0.1586, 0.3195



73.2511, 0.3166, 0.2082



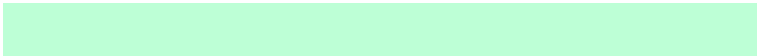
73.2511, 0.4909, 0.3029

Sweetspot

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



73.2511, 0.2790, 0.5125



87.1618, 0.2955, 0.3743



80.3118, 0.3583, 0.5442



18.3636, 0.2934, 0.3813



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.



73.2511, 0.2790, 0.5125



72.3977, 0.2836, 0.5410



77.5778, 0.2357, 0.3608



20.2834, 0.3063, 0.3440



37.8562, 0.2828, 0.5379



3.7065, 0.2764, 0.5152

Inverse Universe

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



25.4644, 0.4260, 0.2204



23.7019, 0.4504, 0.2255



22.8660, 0.5914, 0.3165



18.1754, 0.3197, 0.3144



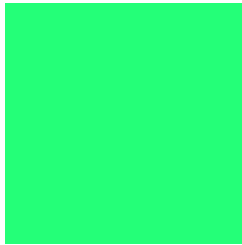
12.4148, 0.4477, 0.2240



1.2301, 0.4292, 0.2138

Previews

White Background



This preview shows how the Yxy color 73.2511, 0.2790, 0.5125 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 73.2511, 0.2790, 0.5125 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 73.2511, 0.2790, 0.5125

Background



This preview shows how black text looks on a background with the Yxy color 73.2511, 0.2790, 0.5125.

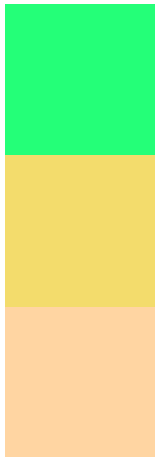


This preview shows how white text looks on a background with the Yxy color 73.2511, 0.2790, 0.5125.

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

73.2511, 0.2790, 0.5125

Protanopia

71.3238, 0.4051, 0.4427

Deuteranopia

71.4571, 0.3822, 0.3817



Tritanopia

72.7290, 0.2424, 0.3089

Trichromacy



Original Color

73.2511, 0.2790, 0.5125



Protanomaly

67.7725, 0.3399, 0.4778



Deuteranomaly

66.7073, 0.3266, 0.4298



Tritanomaly

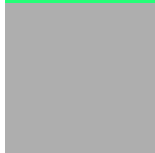
71.4848, 0.2538, 0.3779

Monochromacy



Original Color

73.2511, 0.2790, 0.5125



Achromatopsia

42.3268, 0.3127, 0.3290



Achromatomaly

49.3301, 0.2885, 0.4009

CSS Examples

Text

The CSS property to change the color of the text to Yxy 73.2511, 0.2790, 0.5125 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(36, 255, 120)` looks like.

```
.text, #text, p{  
    color:rgb(36, 255, 120)  
}
```

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(36, 255, 120) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(36, 255, 120) }
```

Border

The CSS property to change the border of an element to Yxy 73.2511, 0.2790, 0.5125 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(36, 255, 120) }
```

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

```
.border{ border-color:rgb(36, 255, 120) }
```

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

Here you see how a box with a 4 pixel `rgb(36, 255, 120)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(36, 255, 120); -webkit-box-shadow:4px 4px 4px 4px rgb(36, 255, 120); box-shadow:4px 4px 4px 4px rgb(36, 255, 120) }
```


Background

The CSS property to change the background color of an element to Yxy 73.2511, 0.2790, 0.5125 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(36, 255, 120) }
```

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

```
.background{ background-color: rgb(36, 255,  
120) }
```

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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