

Converting Colors

$Y_{xy}(73.7958, 0.2935, 0.5323)$

Have a look what the booklet for
Yxy(73.7958, 0.2935, 0.5323)
contains.

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Color

Yxy(73.7797, 0.2934, 0.5323)

Conversions

Conversions Part 1

Format	Color
Hex	47FF64
RGB	71, 255, 100
RGB Percent	28%, 100%, 39%
CMY	0.7210, 0.0000, 0.6078
CMYK	0.72, 0.00, 0.61, 0.00
HSL	129°, 100%, 64%
HSV	129°, 72%, 100%
XYZ	40.6668, 73.7797, 24.1589
YIQ	182.3140, -59.9090, -87.2130

Conversions

Conversions Part 2

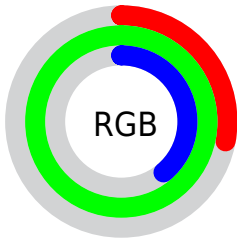
Format	Color
RYB	71, 230, 255
Decimal	4718436
CIELab	88.82, -75.04, 59.64
CIELCh	89, 95.853, 141.521
Yxy	73.7797, 0.2934, 0.5323
Android (android.graphics.Color)	4282908516 (0xFF47FF64)
YUV	182.3140, -40.5808, -97.6224
Hunter-Lab	85.8951, -65.8060, 43.4506

Details

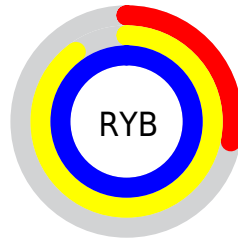
The Yxy color **73.7797, 0.2934, 0.5323** is a dark color, and the websafe version is hex **33FF66**. The color can be described as middle washed spring green. A complement of this color would be **31.2800, 0.3500, 0.1912**, and the grayscale version is **47.2327, 0.3127, 0.3290**.

A 20% lighter version of the original color is **79.7262, 0.3006, 0.4521**, and **40.1069, 0.2937, 0.5774** is the 20% darker color. If you saturate the color by 10%, you get **72.6476, 0.2938, 0.5579**, and if you desaturate by 10%, it is **75.4321, 0.2941, 0.5027**.

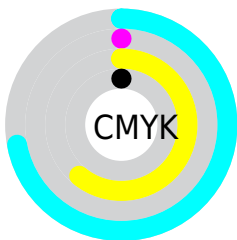
Distribution



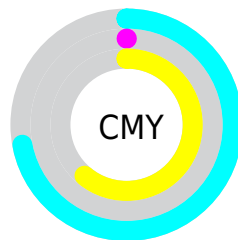
- Red (28%)
- Green (100%)
- Blue (39%)



- Red (28%)
- Yellow (90%)
- Blue (100%)



- Cyan (72%)
- Magenta (0%)
- Yellow (61%)
- Black (0%)




- Cyan (72%)
- Magenta (0%)
- Yellow (61%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 73.7797, 0.2934, 0.5323 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 73.7797, 0.2934, 0.5323 by changing the saturation by 10% instead.


 73.7797, 0.2934,
0.5323


 73.7797, 0.2934,
0.5323


473.7127, 0.3089,
0.4304


 54.6137, 0.2879,
0.5567


 124.5835, 0.3003,
0.4958

 39.0926, 0.2801,
0.5871


 156.9901, 0.3025,
0.4819

 26.8317, 0.2686,
0.6255


 194.5790, 0.3043,
0.4701

 17.4469, 0.2509,
0.6746

 237.7347, 0.3056,
0.4599

 10.5536, 0.2237,
0.7406

286.8415, 0.3067,
0.4510

 5.7675, 0.1786,
0.8214

342.2839, 0.3076,

 2.7043, 0.0520,

0.4433

0.9480

404.4461, 0.3083,
0.4365

0.9794, 0.0000,
1.0000

0.0000, 0.0000,
0.0000

73.7797, 0.2934,
0.5323

73.7797, 0.2934,
0.5323

72.6476, 0.2938,
0.5579

75.4321, 0.2941,
0.5027

71.9634, 0.2953,
0.5776

77.6484, 0.2959,
0.4711

71.6711, 0.2968,
0.5886

80.4779, 0.2984,
0.4394

83.9620, 0.3015,
0.4091

■ 88.1385, 0.3049,
0.3810

■ 93.0423, 0.3085,
0.3557

■ 98.7057, 0.3120,
0.3333

■ 99.9975, 0.3127,
0.3290

Harmonies

Analogous

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



73.7797, 0.3950, 0.5300



73.7797, 0.2934, 0.5323



73.7797, 0.2020, 0.4307

Triad

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



73.7797, 0.2934, 0.5323



73.7797, 0.1510, 0.1747



73.7797, 0.5098, 0.3124

Complementary

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



73.7797, 0.2934, 0.5323



31.2800, 0.3500, 0.1912

Split Complementary

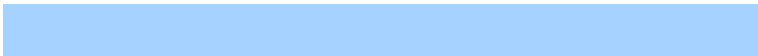
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



73.7797, 0.4158, 0.2470



73.7797, 0.2934, 0.5323



73.7797, 0.2046, 0.1719

Square

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



73.7797, 0.2934, 0.5323



73.7797, 0.1320, 0.2124



73.7797, 0.2973, 0.1973



73.7797, 0.5310, 0.3851

Rectangle

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



73.7797, 0.2934, 0.5323



73.7797, 0.1604, 0.3395



73.7797, 0.2973, 0.1973



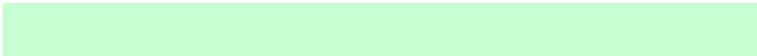
73.7797, 0.4851, 0.2896

Sweetspot

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



73.7828, 0.2934, 0.5323



88.1885, 0.3050, 0.3808



88.3729, 0.3893, 0.5007



18.6180, 0.3040, 0.3881



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.



73.7828, 0.2934, 0.5323



72.2632, 0.2944, 0.5684



76.6082, 0.2570, 0.4125



20.2147, 0.3094, 0.3496



37.4647, 0.2963, 0.5868



3.6606, 0.2915, 0.5693

Inverse Universe

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



31.2800, 0.3500, 0.1912



27.5310, 0.3589, 0.1805



27.5460, 0.4727, 0.2718



18.2484, 0.3162, 0.3092



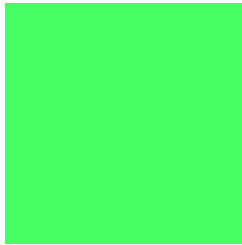
13.6891, 0.3652, 0.1786



1.3455, 0.3593, 0.1753

Previews

White Background



This preview shows how the Yxy color 73.7797, 0.2934, 0.5323 looks on a white background.

Color Contrast Check

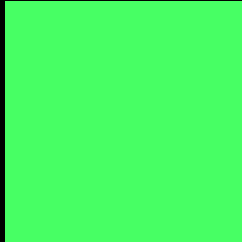
Large Text (above 18pt) WCAG AA × Fail

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 73.7797, 0.2934, 0.5323 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 73.7797, 0.2934, 0.5323

Background



This preview shows how black text looks on a background with the Yxy color 73.7797, 0.2934, 0.5323.

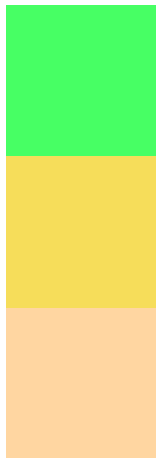


This preview shows how white text looks on a background with the Yxy color 73.7797, 0.2934, 0.5323.

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

73.7797, 0.2934, 0.5323

Protanopia

72.0439, 0.4162, 0.4564

Deuteranopia

71.9263, 0.3826, 0.3837



Tritanopia

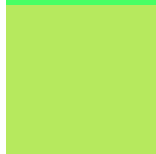
72.9393, 0.2462, 0.3079

Trichromacy



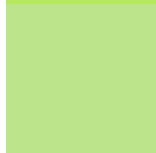
Original Color

73.7797, 0.2934, 0.5323



Protanomaly

69.0311, 0.3585, 0.4905



Deuteranomaly

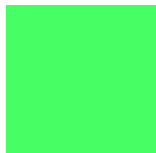
68.5941, 0.3405, 0.4373



Tritanomaly

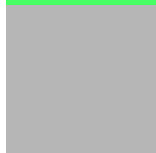
72.2696, 0.2639, 0.3865

Monochromacy



Original Color

73.7797, 0.2934, 0.5323



Achromatopsia

46.7784, 0.3127, 0.3290



Achromatomaly

53.6187, 0.3020, 0.4087

CSS Examples

Text

The CSS property to change the color of the text to Yxy 73.7797, 0.2934, 0.5323 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(71, 255, 100)` looks like.

```
.text, #text, p{  
    color:rgb(71, 255, 100)  
}
```

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(71, 255, 100) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(71, 255, 100) }
```

Border

The CSS property to change the border of an element to Yxy 73.7797, 0.2934, 0.5323 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(71, 255, 100) }
```

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

```
.border{ border-color:rgb(71, 255, 100) }
```

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

Here you see how a box with a 4 pixel `rgb(71, 255, 100)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(71, 255, 100); -webkit-box-  
shadow:4px 4px 4px 4px rgb(71, 255, 100);  
box-shadow:4px 4px 4px 4px rgb(71, 255,  
100) }
```


Background

The CSS property to change the background color of an element to Yxy 73.7797, 0.2934, 0.5323 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(71, 255, 100) }
```

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

```
.background{ background-color: rgb(71, 255,  
100) }
```

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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