

Converting Colors

$Yxy(73.7495, 0.3124, 0.5733)$

Have a look what the booklet for
Yxy(73.7495, 0.3124, 0.5733)
contains.

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Color

Yxy(73.7435, 0.3124, 0.5733)

Conversions

Conversions Part 1

Format	Color
Hex	57FF2E
RGB	87, 255, 46
RGB Percent	34%, 100%, 18%
CMY	0.6588, 0.0000, 0.8195
CMYK	0.66, 0.00, 0.82, 0.00
HSL	108°, 100%, 59%
HSV	108°, 82%, 100%
XYZ	40.1840, 73.7435, 14.7024
YIQ	180.9420, -33.0390, -100.6150

Conversions

Conversions Part 2

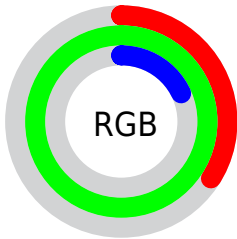
Format	Color
RYB	46, 255, 214
Decimal	5766958
CIELab	88.80, -76.46, 78.09
CIELCh	89, 109.287, 134.398
Yxy	73.7435, 0.3124, 0.5733
Android (android.graphics.Color)	4283957038 (0xFF57FF2E)
YUV	180.9420, -66.5264, -82.3871
Hunter-Lab	85.8740, -66.7521, 49.9609

Details

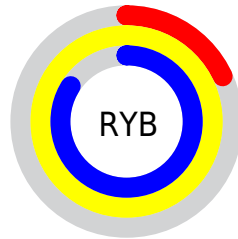
The Yxy color **73.7435, 0.3124, 0.5733** is a dark color, and the websafe version is hex **66FF33**. The color can be described as dark washed green. A complement of this color would be **23.4760, 0.2802, 0.1406**, and the grayscale version is **46.5572, 0.3127, 0.3290**.

A 20% lighter version of the original color is **79.7356, 0.3276, 0.4991**, and **39.9325, 0.3000, 0.6000** is the 20% darker color. If you saturate the color by 10%, you get **72.7481, 0.3087, 0.5884**, and if you desaturate by 10%, it is **75.1387, 0.3154, 0.5506**.

Distribution



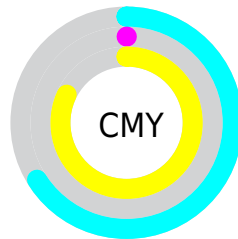
- Red (34%)
- Green (100%)
- Blue (18%)



- Red (18%)
- Yellow (100%)
- Blue (84%)



- Cyan (66%)
- Magenta (0%)
- Yellow (82%)
- Black (0%)




- Cyan (66%)
- Magenta (0%)
- Yellow (82%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 73.7435, 0.3124, 0.5733 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 73.7435, 0.3124, 0.5733 by changing the saturation by 10% instead.


 73.7435, 0.3124,
0.5733


 73.7435, 0.3124,
0.5733


473.5876, 0.3235,
0.4533


 54.5841, 0.3065,
0.6004


 124.5321, 0.3189,
0.5315

 39.0689, 0.2975,
0.6328

 156.9302, 0.3206,
0.5151


 26.8133, 0.2834,
0.6717


 194.5099, 0.3218,
0.5011

 17.4331, 0.2622,
0.7203

 237.6557, 0.3226,
0.4889

 10.5437, 0.2272,
0.7728

 286.7520, 0.3231,
0.4783

 5.7609, 0.1732,
0.8268


342.1832, 0.3233,

 2.7003, 0.0397,

0.4690

0.9603


404.3336, 0.3235,
0.4607


 0.9773, 0.0000,
1.0000


 0.0000, 0.0000,
0.0000


 73.7435, 0.3124,
0.5733


 73.7435, 0.3124,
0.5733


 72.7481, 0.3087,
0.5884

 75.1387, 0.3154,
0.5506

 72.1981, 0.3058,
0.5954

 76.9729, 0.3174,
0.5219

 79.2810, 0.3185,
0.4892

 82.0942, 0.3186,
0.4550

85.4406, 0.3179,
0.4213

89.3466, 0.3166,
0.3894

93.8366, 0.3150,
0.3601

98.9334, 0.3131,
0.3338

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.



73.7435, 0.4228, 0.5358



73.7435, 0.3124, 0.5733



73.7435, 0.2074, 0.4835

Triad

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



73.7435, 0.3124, 0.5733



73.7435, 0.1275, 0.1641



73.7435, 0.5173, 0.2894

Complementary

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



73.7435, 0.3124, 0.5733



23.4760, 0.2802, 0.1406

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.



73.7435, 0.3966, 0.2226



73.7435, 0.3124, 0.5733



73.7435, 0.1749, 0.1544

Square

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



73.7435, 0.3124, 0.5733



73.7435, 0.1150, 0.2138



73.7435, 0.2657, 0.1749



73.7435, 0.5592, 0.3646

Rectangle

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



73.7435, 0.3124, 0.5733



73.7435, 0.1559, 0.3756



73.7435, 0.2657, 0.1749



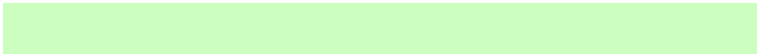
73.7435, 0.4832, 0.2658

Sweetspot

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



73.7438, 0.3124, 0.5733



88.0947, 0.3170, 0.3989



69.1493, 0.4455, 0.4697



18.5614, 0.3175, 0.4101



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.



73.7438, 0.3124, 0.5733



72.3182, 0.3064, 0.5939



73.1995, 0.2846, 0.5256



20.3395, 0.3145, 0.3534



37.7734, 0.3065, 0.5948



3.7205, 0.3134, 0.5894

Inverse Universe

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



23.4760, 0.2802, 0.1406



20.4526, 0.2718, 0.1276



27.0355, 0.3941, 0.2058



18.1099, 0.3106, 0.3054



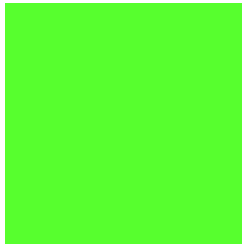
10.6182, 0.2716, 0.1270



1.0776, 0.2775, 0.1302

Previews

White Background



This preview shows how the Yxy color 73.7435, 0.3124, 0.5733 looks on a white background.

Color Contrast Check

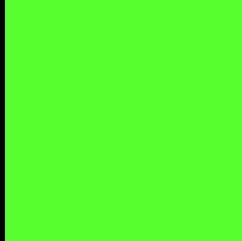
Large Text (above 18pt) WCAG AA × Fail

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 73.7435, 0.3124, 0.5733 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

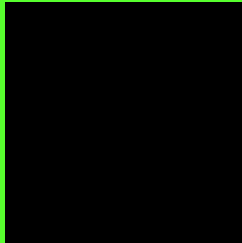
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 73.7435, 0.3124, 0.5733

Background



This preview shows how black text looks on a background with the Yxy color 73.7435, 0.3124, 0.5733.

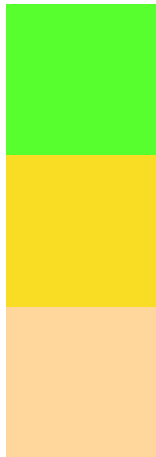


This preview shows how white text looks on a background with the Yxy color 73.7435, 0.3124, 0.5733.

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

73.7435, 0.3124, 0.5733

Protanopia

71.9862, 0.4367, 0.4817

Deuteranopia

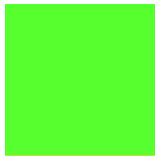
71.7534, 0.3862, 0.3887



Tritanopia

73.2773, 0.2479, 0.3080

Trichromacy



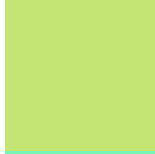
Original Color

73.7435, 0.3124, 0.5733



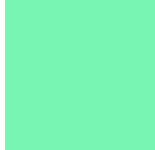
Protanomaly

69.3782, 0.3820, 0.5222



Deuteranomaly

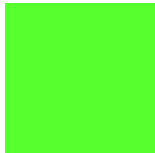
68.7689, 0.3581, 0.4610



Tritanomaly

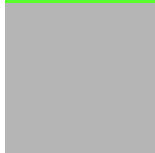
71.9491, 0.2769, 0.4131

Monochromacy



Original Color

73.7435, 0.3124, 0.5733



Achromatopsia

46.2077, 0.3127, 0.3290



Achromatomaly

52.9807, 0.3183, 0.4352

CSS Examples

Text

The CSS property to change the color of the text to Yxy 73.7435, 0.3124, 0.5733 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(87, 255, 46)` looks like.

```
.text, #text, p{  
    color:rgb(87, 255, 46)  
}
```

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(87, 255, 46) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(87, 255, 46) }
```

Border

The CSS property to change the border of an element to Yxy 73.7435, 0.3124, 0.5733 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(87, 255, 46) }
```

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

```
.border{ border-color:rgb(87, 255, 46) }
```

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

Here you see how a box with a 4 pixel `rgb(87, 255, 46)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(87, 255, 46); -webkit-box-  
shadow:4px 4px 4px 4px rgb(87, 255, 46);  
box-shadow:4px 4px 4px 4px rgb(87, 255,  
46) }
```


Background

The CSS property to change the background color of an element to Yxy 73.7435, 0.3124, 0.5733 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(87, 255, 46) }
```

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

```
.background{ background-color: rgb(87, 255,  
46) }
```

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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