

Converting Colors

$Yxy(75.4953, 0.2935, 0.5005)$

Have a look what the booklet for
Yxy(75.4953, 0.2935, 0.5005)
contains.

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Color

Yxy(75.4914, 0.2937, 0.5008)

Conversions

Conversions Part 1

Format	Color
Hex	61FF7B
RGB	97, 255, 123
RGB Percent	38%, 100%, 48%
CMY	0.6192, 0.0000, 0.5176
CMYK	0.62, 0.00, 0.52, 0.00
HSL	130°, 100%, 69%
HSV	130°, 62%, 100%
XYZ	44.2728, 75.4914, 30.9774
YIQ	192.7100, -51.7960, -74.5480

Conversions

Conversions Part 2

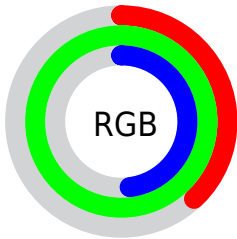
Format	Color
RYB	97, 233, 255
Decimal	6422395
CIELab	89.62, -67.68, 50.57
CIElCh	90, 84.487, 143.235
Yxy	75.4914, 0.2937, 0.5008
Android (android.graphics.Color)	4284612475 (0xFF61FF7B)
YUV	192.7100, -34.3670, -83.9377
Hunter-Lab	86.8858, -61.0951, 39.6814

Details

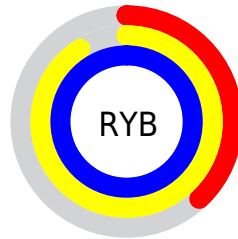
The Yxy color **75.4914, 0.2937, 0.5008** is a light color, and the websafe version is hex **66FF66**. A complement of this color would be **35.4894, 0.3448, 0.2051**, and the grayscale version is **53.3946, 0.3127, 0.3290**.

A 20% lighter version of the original color is **82.3114, 0.2989, 0.4205**, and **40.3747, 0.2850, 0.5462** is the 20% darker color. If you saturate the color by 10%, you get **73.8330, 0.2930, 0.5304**, and if you desaturate by 10%, it is **77.7224, 0.2955, 0.4694**.

Distribution



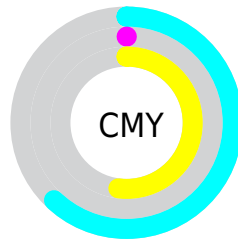
- Red (38%)
- Green (100%)
- Blue (48%)



- Red (38%)
- Yellow (91%)
- Blue (100%)



- Cyan (62%)
- Magenta (0%)
- Yellow (52%)
- Black (0%)




- Cyan (62%)
- Magenta (0%)
- Yellow (52%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 75.4914, 0.2937, 0.5008 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 75.4914, 0.2937, 0.5008 by changing the saturation by 10% instead.


 75.4914, 0.2937,
0.5008


 75.4914, 0.2937,
0.5008


479.6049, 0.3070,
0.4152

 56.0156, 0.2894,
0.5214


 127.0077, 0.2993,
0.4701

 40.2154, 0.2833,
0.5473


 159.8170, 0.3012,
0.4585

 27.7065, 0.2745,
0.5805


 197.8395, 0.3027,
0.4485

 18.1046, 0.2611,
0.6240

241.4597, 0.3040,
0.4400

 11.0251, 0.2396,
0.6820

291.0619, 0.3049,
0.4326

 6.0837, 0.2105,
0.7850

347.0306, 0.3058,


 2.8960, 0.1247,

0.4261


0.8753


409.7501, 0.3065,
0.4203


 1.0777, 0.0000,
1.0000

 0.0000, 0.0000,
0.0000


 75.4914, 0.2937,
0.5008


 75.4914, 0.2937,
0.5008


 73.8330, 0.2930,
0.5304


 77.7224, 0.2955,
0.4694


 72.6853, 0.2934,
0.5561


 80.5625, 0.2981,
0.4379


 71.9889, 0.2950,
0.5762

 84.0560, 0.3013,
0.4079

 71.6834, 0.2966,
0.5878

 88.2404, 0.3048,
0.3801

 93.1504, 0.3084,
0.3551

 98.8183, 0.3120,
0.3329

99.9974, 0.3127,
0.3290

Harmonies

Analogous

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



75.4914, 0.3856, 0.5096



75.4914, 0.2937, 0.5008



75.4914, 0.2118, 0.4105

Triad

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



75.4914, 0.2937, 0.5008



75.4914, 0.1684, 0.1893



75.4914, 0.4889, 0.3207

Complementary

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



75.4914, 0.2937, 0.5008



35.4894, 0.3448, 0.2051

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.



75.4914, 0.4094, 0.2593



75.4914, 0.2937, 0.5008



75.4914, 0.2203, 0.1875

Square

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



75.4914, 0.2937, 0.5008



75.4914, 0.1491, 0.2233



75.4914, 0.3057, 0.2122



75.4914, 0.5065, 0.3885

Rectangle

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



75.4914, 0.2937, 0.5008



75.4914, 0.1745, 0.3337



75.4914, 0.3057, 0.2122



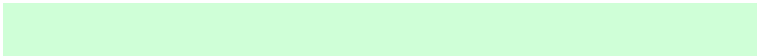
75.4914, 0.4681, 0.2993

Sweetspot

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



75.4945, 0.2937, 0.5008



89.6012, 0.3058, 0.3725



89.4232, 0.3831, 0.4827



18.8936, 0.3048, 0.3799



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.



75.4945, 0.2937, 0.5008



73.5566, 0.2930, 0.5361



78.2220, 0.2604, 0.3987



20.2168, 0.3093, 0.3495



37.4717, 0.2961, 0.5858



3.6616, 0.2911, 0.5680

Inverse Universe

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



35.4894, 0.3448, 0.2051



30.5756, 0.3526, 0.1903



32.1061, 0.4390, 0.2752



18.2462, 0.3163, 0.3094



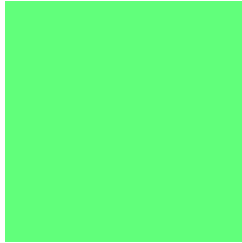
13.6424, 0.3674, 0.1798



1.3414, 0.3612, 0.1763

Previews

White Background



This preview shows how the Yxy color 75.4914, 0.2937, 0.5008 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 75.4914, 0.2937, 0.5008 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

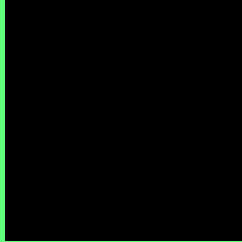
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

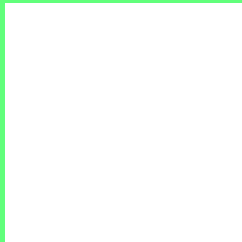
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 75.4914, 0.2937, 0.5008

Background



This preview shows how black text looks on a background with the Yxy color 75.4914, 0.2937, 0.5008.

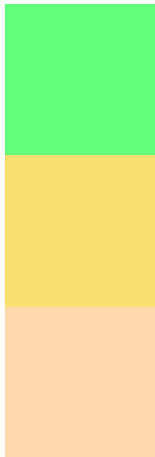


This preview shows how white text looks on a background with the Yxy color 75.4914, 0.2937, 0.5008.

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

75.4914, 0.2937, 0.5008

Protanopia

74.2553, 0.4037, 0.4413

Deuteranopia

73.9028, 0.3728, 0.3743



Tritanopia

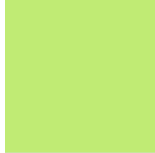
74.8531, 0.2530, 0.3095

Trichromacy



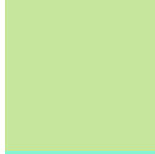
Original Color

75.4914, 0.2937, 0.5008



Protanomaly

71.8841, 0.3545, 0.4668



Deuteranomaly

71.5242, 0.3378, 0.4181



Tritanomaly

74.0317, 0.2682, 0.3748

Monochromacy



Original Color

75.4914, 0.2937, 0.5008



Achromatopsia

53.3276, 0.3127, 0.3290



Achromatomaly

59.2080, 0.3028, 0.3921

CSS Examples

Text

The CSS property to change the color of the text to Yxy 75.4914, 0.2937, 0.5008 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(97, 255, 123)` looks like.

```
.text, #text, p{  
    color:rgb(97, 255, 123)  
}
```

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(97, 255, 123) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(97, 255, 123) }
```

Border

The CSS property to change the border of an element to Yxy 75.4914, 0.2937, 0.5008 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(97, 255, 123) }
```

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

```
.border{ border-color:rgb(97, 255, 123) }
```

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

Here you see how a box with a 4 pixel `rgb(97, 255, 123)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(97, 255, 123); -webkit-box-  
shadow:4px 4px 4px 4px rgb(97, 255, 123);  
box-shadow:4px 4px 4px 4px rgb(97, 255,  
123) }
```


Background

The CSS property to change the background color of an element to Yxy 75.4914, 0.2937, 0.5008 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(97, 255, 123) }
```

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

```
.background{ background-color: rgb(97, 255,  
123) }
```

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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