

Converting Colors

$Yxy(76.3034, 0.3229, 0.5284)$

Have a look what the booklet for
Yxy(76.3034, 0.3229, 0.5284)
contains.

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Color

Yxy(76.4937, 0.3228, 0.5285)

Conversions

Conversions Part 1

Format	Color
Hex	84FE58
RGB	132, 254, 88
RGB Percent	52%, 100%, 35%
CMY	0.4822, 0.0039, 0.6551
CMYK	0.48, 0.00, 0.65, 0.00
HSL	104°, 99%, 67%
HSV	104°, 65%, 100%
XYZ	46.7212, 76.4937, 21.5224
YIQ	198.5980, -19.4260, -77.4900

Conversions

Conversions Part 2

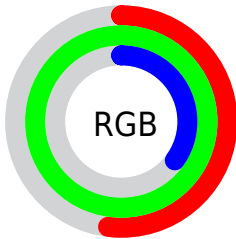
Format	Color
RYB	88, 254, 210
Decimal	8715864
CIELab	90.09, -62.67, 66.41
CIELCh	90, 91.310, 133.343
Yxy	76.4937, 0.3228, 0.5285
Android (android.graphics.Color)	4286905944 (0xFF84FE58)
YUV	198.5980, -54.5248, -58.4064
Hunter-Lab	87.4607, -57.7020, 46.6323

Details

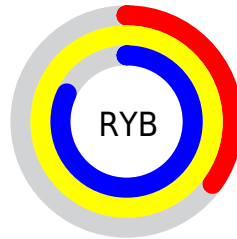
The Yxy color **76.4937, 0.3228, 0.5285** is a light color, and the websafe version is hex **99FF66**. The color can be described as light muted chartreuse. A complement of this color would be **27.8159, 0.2781, 0.1614**, and the grayscale version is **57.2066, 0.3127, 0.3290**.

A 20% lighter version of the original color is **84.8711, 0.3355, 0.4536**, and **40.7350, 0.3153, 0.5782** is the 20% darker color. If you saturate the color by 10%, you get **74.7746, 0.3205, 0.5549**, and if you desaturate by 10%, it is **78.6348, 0.3237, 0.4977**.

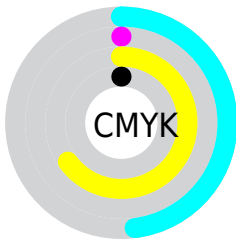
Distribution



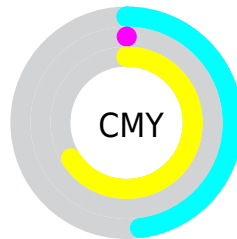
- Red (52%)
- Green (100%)
- Blue (35%)



- Red (35%)
- Yellow (100%)
- Blue (82%)



- Cyan (48%)
- Magenta (0%)
- Yellow (65%)
- Black (0%)



- Cyan (48%)
- Magenta (0%)
- Yellow (66%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 76.4937, 0.3228, 0.5285 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 76.4937, 0.3228, 0.5285 by changing the saturation by 10% instead.

 76.4937, 0.3228,
0.5285

 76.4937, 0.3228,
0.5285

483.0360, 0.3252,
0.4312


 56.8374, 0.3201,
0.5509

 128.4245, 0.3253,
0.4943

 40.8747, 0.3155,
0.5782


 161.4679, 0.3258,
0.4811

 28.2212, 0.3078,
0.6119


 199.7424, 0.3260,
0.4698

 18.4925, 0.2948,
0.6536

 243.6325, 0.3260,
0.4599

 11.3041, 0.2754,
0.7127

293.5225, 0.3259,
0.4514

 6.2718, 0.2336,
0.7664


349.7968, 0.3257,


 3.0110, 0.1624,

0.4438

0.8376

412.8399, 0.3255,
0.4371


 1.1375, 0.0000,
1.0000


 0.0097, 0.0000,
1.0000


 76.4937, 0.3228,
0.5285

 76.4937, 0.3228,
0.5285


 74.7746, 0.3205,
0.5549


 78.6348, 0.3237,
0.4977


 73.4374, 0.3169,
0.5750

 81.2152, 0.3234,
0.4647

 72.4500, 0.3123,
0.5879

 84.2625, 0.3221,
0.4314

 72.0936, 0.3102,
0.5919

 87.7995, 0.3199,
0.3994

 91.8472, 0.3173,
0.3696

 96.4254, 0.3143,
0.3424

99.3648, 0.3128,
0.3281

Harmonies

Analogous

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



76.4937, 0.4181, 0.5068



76.4937, 0.3228, 0.5285



76.4937, 0.2298, 0.4571

Triad

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



76.4937, 0.3228, 0.5285



76.4937, 0.1499, 0.1882



76.4937, 0.4800, 0.2964

Complementary

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



76.4937, 0.3228, 0.5285



27.8159, 0.2781, 0.1614

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.



76.4937, 0.3796, 0.2362



76.4937, 0.3228, 0.5285



76.4937, 0.1923, 0.1767

Square

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



76.4937, 0.3228, 0.5285



76.4937, 0.1404, 0.2365



76.4937, 0.2711, 0.1940



76.4937, 0.5216, 0.3654

Rectangle

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



76.4937, 0.3228, 0.5285



76.4937, 0.1824, 0.3739



76.4937, 0.2711, 0.1940



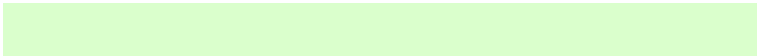
76.4937, 0.4509, 0.2750

Sweetspot

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



76.4970, 0.3228, 0.5285



90.7143, 0.3185, 0.3831



67.7304, 0.4311, 0.4451



19.1742, 0.3193, 0.3915



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.



76.4970, 0.3228, 0.5285



75.0519, 0.3196, 0.5609



74.4813, 0.2888, 0.4971



20.4013, 0.3156, 0.3533



38.0688, 0.3112, 0.5911



3.7571, 0.3190, 0.5849

Inverse Universe

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



27.8159, 0.2781, 0.1614



22.6414, 0.2689, 0.1387



32.9616, 0.3598, 0.2093



18.0436, 0.3095, 0.3053



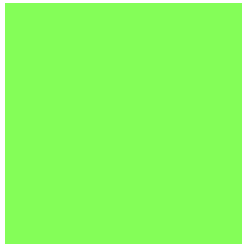
9.3892, 0.2544, 0.1175



0.9675, 0.2623, 0.1218

Previews

White Background



This preview shows how the Yxy color 76.4937, 0.3228, 0.5285 looks on a white background.

Color Contrast Check

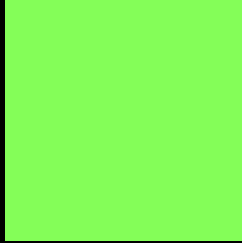
Large Text (above 18pt) WCAG AA × Fail

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 76.4937, 0.3228, 0.5285 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

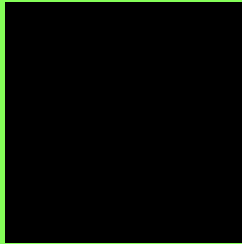
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

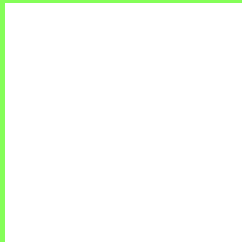
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 76.4937, 0.3228, 0.5285

Background



This preview shows how black text looks on a background with the Yxy color 76.4937, 0.3228, 0.5285.

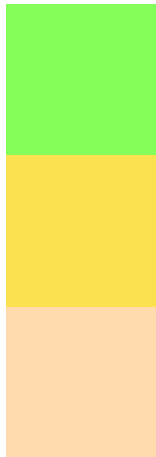


This preview shows how white text looks on a background with the Yxy color 76.4937, 0.3228, 0.5285.

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

76.4937, 0.3228, 0.5285

Protanopia

74.9388, 0.4219, 0.4639

Deuteranopia

74.9402, 0.3722, 0.3763



Tritanopia

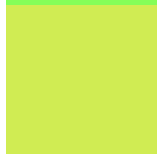
76.0039, 0.2611, 0.3088

Trichromacy



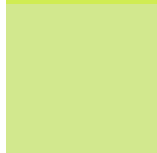
Original Color

76.4937, 0.3228, 0.5285



Protanomaly

74.0253, 0.3812, 0.4901



Deuteranomaly

73.3679, 0.3543, 0.4309



Tritanomaly

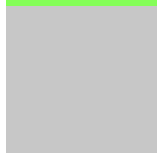
74.8663, 0.2862, 0.3888

Monochromacy



Original Color

76.4937, 0.3228, 0.5285



Achromatopsia

57.1125, 0.3127, 0.3290



Achromatomaly

62.2802, 0.3204, 0.4050

CSS Examples

Text

The CSS property to change the color of the text to Yxy 76.4937, 0.3228, 0.5285 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(132, 254, 88)` looks like.

```
.text, #text, p{  
    color:rgb(132, 254, 88)  
}
```

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(132, 254, 88) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(132, 254, 88) }
```

Border

The CSS property to change the border of an element to Yxy 76.4937, 0.3228, 0.5285 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(132, 254, 88) }
```

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

```
.border{ border-color:rgb(132, 254, 88) }
```

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

Here you see how a box with a 4 pixel `rgb(132, 254, 88)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(132, 254, 88); -webkit-box-  
shadow:4px 4px 4px 4px rgb(132, 254, 88);  
box-shadow:4px 4px 4px 4px rgb(132, 254,  
88) }
```


Background

The CSS property to change the background color of an element to Yxy 76.4937, 0.3228, 0.5285 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(132, 254, 88) }
```

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

```
.background{ background-color: rgb(132,  
254, 88) }
```

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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