

Converting Colors

$Y_{xy}(77.7237, 0.3236, 0.5212)$

Have a look what the booklet for
Yxy(77.7237, 0.3236, 0.5212)
contains.

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Color

Yxy(77.7314, 0.3238, 0.5215)

Conversions

Conversions Part 1

Format	Color
Hex	8AFF5E
RGB	138, 255, 94
RGB Percent	54%, 100%, 37%
CMY	0.4588, 0.0000, 0.6312
CMYK	0.46, 0.00, 0.63, 0.00
HSL	104°, 100%, 68%
HSV	104°, 63%, 100%
XYZ	48.2635, 77.7314, 23.0586
YIQ	201.6630, -18.0510, -74.8750

Conversions

Conversions Part 2

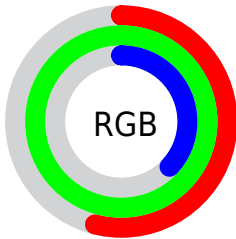
Format	Color
RYB	94, 255, 211
Decimal	9109342
CIELab	90.66, -60.83, 64.68
CIELCh	91, 88.790, 133.243
Yxy	77.7314, 0.3238, 0.5215
Android (android.graphics.Color)	4287299422 (0xFF8AFF5E)
YUV	201.6630, -53.0779, -55.8325
Hunter-Lab	88.1654, -56.5750, 46.2092

Details

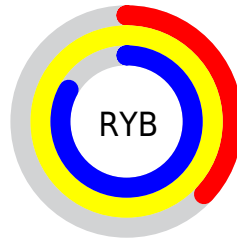
The Yxy color **77.7314, 0.3238, 0.5215** is a light color, and the websafe version is hex **99FF66**. The color can be described as light muted chartreuse. A complement of this color would be **29.0877, 0.2786, 0.1656**, and the grayscale version is **59.1907, 0.3127, 0.3290**.

A 20% lighter version of the original color is **85.7278, 0.3357, 0.4458**, and **41.5382, 0.3174, 0.5697** is the 20% darker color. If you saturate the color by 10%, you get **75.8992, 0.3218, 0.5490**, and if you desaturate by 10%, it is **79.9869, 0.3244, 0.4901**.

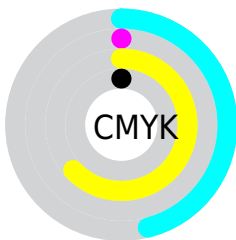
Distribution



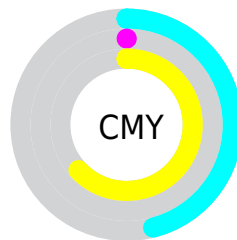
- Red (54%)
- Green (100%)
- Blue (37%)



- Red (37%)
- Yellow (100%)
- Blue (83%)



- Cyan (46%)
- Magenta (0%)
- Yellow (63%)
- Black (0%)




- Cyan (46%)
- Magenta (0%)
- Yellow (63%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 77.7314, 0.3238, 0.5215 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 77.7314, 0.3238, 0.5215 by changing the saturation by 10% instead.


 77.7314, 0.3238,
0.5215

 77.7314, 0.3238,
0.5215


487.2541, 0.3253,
0.4279


 57.8534, 0.3215,
0.5431

 130.1714, 0.3259,
0.4887

 41.6908, 0.3175,
0.5694


 163.5022, 0.3262,
0.4759

 28.8592, 0.3108,
0.6020


 202.0860, 0.3263,
0.4650

 18.9744, 0.2991,
0.6424

 246.3072, 0.3262,
0.4556

 11.6518, 0.2805,
0.6969

296.5502, 0.3260,
0.4473

 6.5070, 0.2439,
0.7561


353.1994, 0.3258,


 3.1558, 0.1791,

0.4401

0.8209


416.6393, 0.3255,
0.4336


 1.2136, 0.0000,
1.0000

 0.0728, 0.0000,
1.0000


 77.7314, 0.3238,
0.5215

 77.7314, 0.3238,
0.5215

 75.8992, 0.3218,
0.5490


 79.9869, 0.3244,
0.4901

 74.4576, 0.3185,
0.5706

 82.6883, 0.3237,
0.4570

 73.3740, 0.3141,
0.5851

 85.8607, 0.3220,
0.4240

 72.8090, 0.3108,
0.5914

 89.5262, 0.3196,
0.3924

 93.7054, 0.3168,
0.3632

 98.4176, 0.3137,
0.3367

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.



77.7314, 0.4166, 0.5020



77.7314, 0.3238, 0.5215



77.7314, 0.2330, 0.4527

Triad

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



77.7314, 0.3238, 0.5215



77.7314, 0.1538, 0.1921



77.7314, 0.4743, 0.2977

Complementary

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



77.7314, 0.3238, 0.5215



29.0877, 0.2786, 0.1656

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.



77.7314, 0.3773, 0.2386



77.7314, 0.3238, 0.5215



77.7314, 0.1953, 0.1805

Square

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



77.7314, 0.3238, 0.5215



77.7314, 0.1447, 0.2398



77.7314, 0.2722, 0.1973



77.7314, 0.5154, 0.3654

Rectangle

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



77.7314, 0.3238, 0.5215



77.7314, 0.1865, 0.3731



77.7314, 0.2722, 0.1973



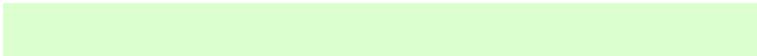
77.7314, 0.4462, 0.2766

Sweetspot

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



77.7326, 0.3238, 0.5215



91.1848, 0.3185, 0.3801



67.8642, 0.4290, 0.4400



19.2689, 0.3193, 0.3886



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.



77.7326, 0.3238, 0.5215



75.4453, 0.3210, 0.5559



75.4847, 0.2902, 0.4940



20.4081, 0.3157, 0.3533



38.1071, 0.3118, 0.5907



3.7617, 0.3197, 0.5844

Inverse Universe

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



29.0877, 0.2786, 0.1656



23.1450, 0.2689, 0.1411



34.4471, 0.3547, 0.2100



18.0363, 0.3094, 0.3053



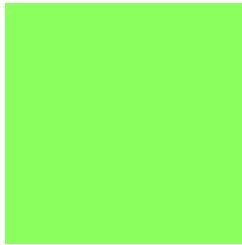
9.2628, 0.2526, 0.1165



0.9561, 0.2606, 0.1209

Previews

White Background



This preview shows how the Yxy color 77.7314, 0.3238, 0.5215 looks on a white background.

Color Contrast Check

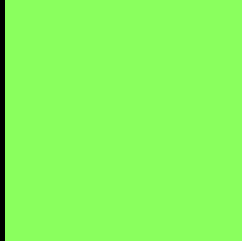
Large Text (above 18pt) WCAG AA × Fail

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 77.7314, 0.3238, 0.5215 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

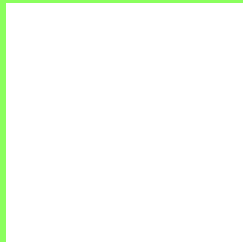
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 77.7314, 0.3238, 0.5215

Background



This preview shows how black text looks on a background with the Yxy color 77.7314, 0.3238, 0.5215.

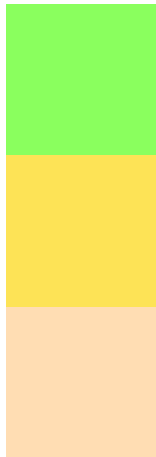


This preview shows how white text looks on a background with the Yxy color 77.7314, 0.3238, 0.5215.

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

77.7314, 0.3238, 0.5215

Protanopia

76.4927, 0.4195, 0.4607

Deuteranopia

76.2276, 0.3672, 0.3721



Tritanopia

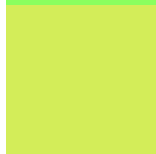
77.3677, 0.2648, 0.3101

Trichromacy



Original Color

77.7314, 0.3238, 0.5215



Protanomaly

75.1385, 0.3805, 0.4850



Deuteranomaly

74.4130, 0.3518, 0.4248



Tritanomaly

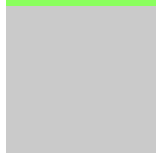
76.2640, 0.2891, 0.3867

Monochromacy



Original Color

77.7314, 0.3238, 0.5215



Achromatopsia

59.0619, 0.3127, 0.3290



Achromatomaly

63.9410, 0.3205, 0.4014

CSS Examples

Text

The CSS property to change the color of the text to Yxy 77.7314, 0.3238, 0.5215 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(138, 255, 94)` looks like.

```
.text, #text, p{  
    color:rgb(138, 255, 94)  
}
```

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(138, 255, 94) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(138, 255, 94) }
```

Border

The CSS property to change the border of an element to Yxy 77.7314, 0.3238, 0.5215 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(138, 255, 94) }
```

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

```
.border{ border-color:rgb(138, 255, 94) }
```

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

Here you see how a box with a 4 pixel rgb(138, 255, 94) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(138, 255, 94); -webkit-box-  
shadow:4px 4px 4px 4px rgb(138, 255, 94);  
box-shadow:4px 4px 4px 4px rgb(138, 255,  
94) }
```


Background

The CSS property to change the background color of an element to Yxy 77.7314, 0.3238, 0.5215 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(138, 255, 94) }
```

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

```
.background{ background-color: rgb(138,  
255, 94) }
```

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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