

Converting Colors

$Yxy(77.8074, 0.3204, 0.5141)$

Have a look what the booklet for
Yxy(77.8074, 0.3204, 0.5141)
contains.

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Color

Yxy(77.7977, 0.3204, 0.5142)

Conversions

Conversions Part 1

Format	Color
Hex	89FF66
RGB	137, 255, 102
RGB Percent	54%, 100%, 40%
CMY	0.4627, 0.0000, 0.6001
CMYK	0.46, 0.00, 0.60, 0.00
HSL	106°, 100%, 70%
HSV	106°, 60%, 100%
XYZ	48.4760, 77.7977, 25.0248
YIQ	202.2760, -21.2150, -72.5990

Conversions

Conversions Part 2

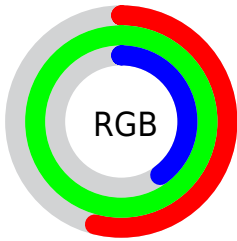
Format	Color
RYB	102, 255, 220
Decimal	9043814
CIELab	90.69, -60.38, 61.44
CIElCh	91, 86.137, 134.502
Yxy	77.7977, 0.3204, 0.5142
Android (android.graphics.Color)	4287233894 (0xFF89FF66)
YUV	202.2760, -49.4361, -57.2471
Hunter-Lab	88.2030, -56.2523, 44.9205

Details

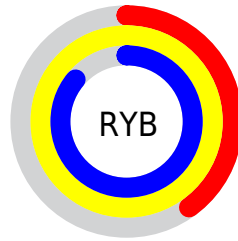
The Yxy color **77.7977, 0.3204, 0.5142** is a light color, and the websafe version is hex **99FF66**. A complement of this color would be **31.9273, 0.2870, 0.1752**, and the grayscale version is **59.5706, 0.3127, 0.3290**.

A 20% lighter version of the original color is **85.8589, 0.3309, 0.4374**, and **41.6178, 0.3144, 0.5605** is the 20% darker color. If you saturate the color by 10%, you get **75.8553, 0.3187, 0.5436**, and if you desaturate by 10%, it is **80.2007, 0.3210, 0.4815**.

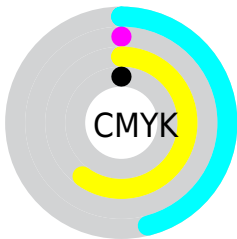
Distribution



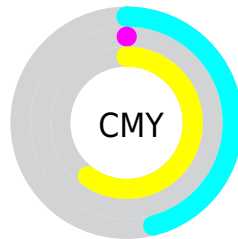
- Red (54%)
- Green (100%)
- Blue (40%)



- Red (40%)
- Yellow (100%)
- Blue (86%)



- Cyan (46%)
- Magenta (0%)
- Yellow (60%)
- Black (0%)




- Cyan (46%)
- Magenta (0%)
- Yellow (60%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 77.7977, 0.3204, 0.5142 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 77.7977, 0.3204, 0.5142 by changing the saturation by 10% instead.

 77.7977, 0.3204,
0.5142


 77.7977, 0.3204,
0.5142


487.4795, 0.3228,
0.4239


 57.9078, 0.3181,
0.5352


 130.2649, 0.3226,
0.4824

 41.7345, 0.3142,
0.5610


 163.6110, 0.3231,
0.4701

 28.8935, 0.3078,
0.5931


 202.2113, 0.3233,
0.4596

 19.0003, 0.2968,
0.6335

 246.4502, 0.3233,
0.4505

 11.6705, 0.2783,
0.6859

296.7121, 0.3233,
0.4426

 6.5197, 0.2458,
0.7542

353.3813, 0.3231,


 3.1636, 0.1818,

0.4356

0.8182


416.8423, 0.3230,
0.4294


 1.2177, 0.0000,
1.0000


 0.0761, 0.0000,
1.0000


 77.7977, 0.3204,
0.5142


 77.7977, 0.3204,
0.5142


 75.8553, 0.3187,
0.5436


 80.2007, 0.3210,
0.4815


 74.3387, 0.3157,
0.5675


 83.0890, 0.3205,
0.4477

 73.2136, 0.3119,
0.5842

 86.4894, 0.3192,
0.4145

 72.4314, 0.3077,
0.5939

 90.4259, 0.3174,
0.3833

 94.9209, 0.3151,
0.3547

99.9952, 0.3127,
0.3290

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.



77.7977, 0.4113, 0.4998



77.7977, 0.3204, 0.5142



77.7977, 0.2323, 0.4440

Triad

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



77.7977, 0.3204, 0.5142



77.7977, 0.1584, 0.1944



77.7977, 0.4726, 0.3016

Complementary

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



77.7977, 0.3204, 0.5142



31.9273, 0.2870, 0.1752

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.



77.7977, 0.3800, 0.2430



77.7977, 0.3204, 0.5142



77.7977, 0.2007, 0.1841

Square

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



77.7977, 0.3204, 0.5142



77.7977, 0.1483, 0.2398



77.7977, 0.2774, 0.2016



77.7977, 0.5100, 0.3684

Rectangle

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



77.7977, 0.3204, 0.5142



77.7977, 0.1876, 0.3670



77.7977, 0.2774, 0.2016



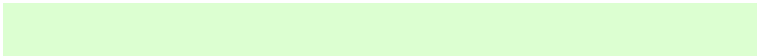
77.7977, 0.4460, 0.2808

Sweetspot

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



77.7989, 0.3204, 0.5142



91.2834, 0.3169, 0.3773



73.0358, 0.4182, 0.4424



19.2741, 0.3176, 0.3860



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.



77.7989, 0.3204, 0.5142



75.5203, 0.3182, 0.5489



76.3201, 0.2874, 0.4749



20.3687, 0.3150, 0.3533



37.9017, 0.3086, 0.5932



3.7369, 0.3159, 0.5874

Inverse Universe

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



31.9273, 0.2870, 0.1752



25.9170, 0.2797, 0.1518



35.6232, 0.3604, 0.2208



18.0784, 0.3101, 0.3053



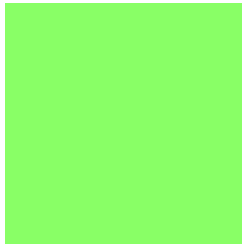
10.0177, 0.2634, 0.1225



1.0241, 0.2703, 0.1262

Previews

White Background



This preview shows how the Yxy color 77.7977, 0.3204, 0.5142 looks on a white background.

Color Contrast Check

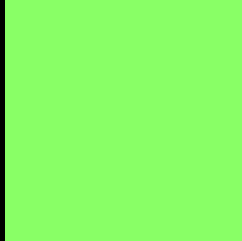
Large Text (above 18pt) WCAG AA × Fail

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 77.7977, 0.3204, 0.5142 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

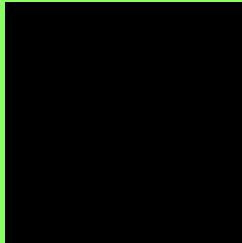
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

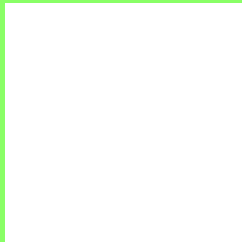
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 77.7977, 0.3204, 0.5142

Background



This preview shows how black text looks on a background with the Yxy color 77.7977, 0.3204, 0.5142.

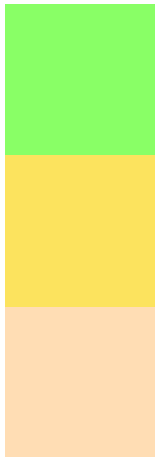


This preview shows how white text looks on a background with the Yxy color 77.7977, 0.3204, 0.5142.

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

77.7977, 0.3204, 0.5142

Protanopia

76.4418, 0.4151, 0.4557

Deuteranopia

76.2682, 0.3665, 0.3711



Tritanopia

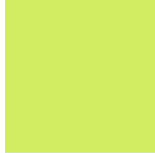
77.3677, 0.2648, 0.3101

Trichromacy



Original Color

77.7977, 0.3204, 0.5142



Protanomaly

75.1331, 0.3763, 0.4790



Deuteranomaly

74.5419, 0.3494, 0.4204



Tritanomaly

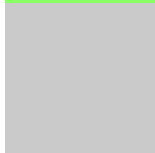
76.4020, 0.2875, 0.3829

Monochromacy



Original Color

77.7977, 0.3204, 0.5142



Achromatopsia

59.0619, 0.3127, 0.3290



Achromatomaly

63.9311, 0.3179, 0.3977

CSS Examples

Text

The CSS property to change the color of the text to Yxy 77.7977, 0.3204, 0.5142 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(137, 255, 102)` looks like.

```
.text, #text, p{  
    color:rgb(137, 255, 102)  
}
```

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(137, 255, 102) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(137, 255, 102) }
```

Border

The CSS property to change the border of an element to Yxy 77.7977, 0.3204, 0.5142 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(137, 255, 102) }
```

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

```
.border{ border-color:rgb(137, 255, 102) }
```

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

Here you see how a box with a 4 pixel rgb(137, 255, 102) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(137, 255, 102); -webkit-box-  
shadow:4px 4px 4px 4px rgb(137, 255, 102);  
box-shadow:4px 4px 4px 4px rgb(137, 255,  
102) }
```


Background

The CSS property to change the background color of an element to Yxy 77.7977, 0.3204, 0.5142 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(137, 255, 102) }
```

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

```
.background{ background-color: rgb(137,  
255, 102) }
```

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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