

Converting Colors

$Y_{xy}(77.7203, 0.3291, 0.5316)$

Have a look what the booklet for
Yxy(77.7203, 0.3291, 0.5316)
contains.

Yxy(77.7046, 0.3289, 0.5313)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(77.7046, 0.3289, 0.5313)

Conversions

Conversions Part 1

Format	Color
Hex	8CFF52
RGB	140, 255, 82
RGB Percent	55%, 100%, 32%
CMY	0.4508, 0.0000, 0.6784
CMYK	0.45, 0.00, 0.68, 0.00
HSL	100°, 100%, 66%
HSV	100°, 68%, 100%
XYZ	48.1028, 77.7046, 20.4463
YIQ	200.8930, -13.0070, -78.1830

Conversions

Conversions Part 2

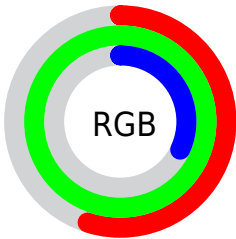
Format	Color
RYB	82, 255, 197
Decimal	9240402
CIELab	90.64, -61.22, 69.34
CIElCh	91, 92.500, 131.440
Yxy	77.7046, 0.3289, 0.5313
Android (android.graphics.Color)	4287430482 (0xFF8CFF52)
YUV	200.8930, -58.6142, -53.4032
Hunter-Lab	88.1502, -56.8569, 47.9529

Details

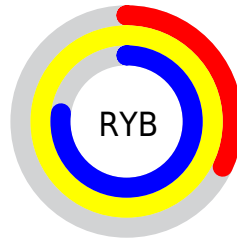
The Yxy color **77.7046, 0.3289, 0.5313** is a light color, and the websafe version is hex **99FF66**. The color can be described as light muted chartreuse. A complement of this color would be **25.1222, 0.2650, 0.1510**, and the grayscale version is **58.7225, 0.3127, 0.3290**.

A 20% lighter version of the original color is **85.6634, 0.3427, 0.4569**, and **41.5212, 0.3224, 0.5806** is the 20% darker color. If you saturate the color by 10%, you get **76.0281, 0.3265, 0.5557**, and if you desaturate by 10%, it is **79.7586, 0.3296, 0.5023**.

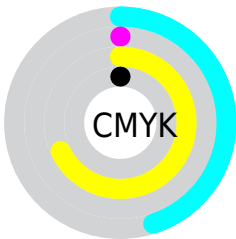
Distribution



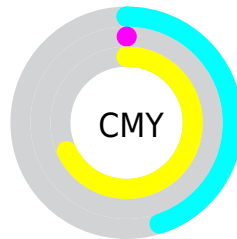
- Red (55%)
- Green (100%)
- Blue (32%)



- Red (32%)
- Yellow (100%)
- Blue (77%)



- Cyan (45%)
- Magenta (0%)
- Yellow (68%)
- Black (0%)





- Cyan (45%)
- Magenta (0%)
- Yellow (68%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 77.7046, 0.3289, 0.5313 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 77.7046, 0.3289, 0.5313 by changing the saturation by 10% instead.


 77.7046, 0.3289,
0.5313


 77.7046, 0.3289,
0.5313


487.1630, 0.3290,
0.4334

 57.8313, 0.3266,
0.5535


 130.1336, 0.3307,
0.4972

 41.6731, 0.3224,
0.5804


 163.4582, 0.3309,
0.4839

 28.8454, 0.3151,
0.6132


 202.0353, 0.3308,
0.4725

 18.9639, 0.3025,
0.6532

 246.2494, 0.3306,
0.4626

 11.6442, 0.2847,
0.7121

296.4848, 0.3303,
0.4539

 6.5019, 0.2423,
0.7577


353.1259, 0.3299,


 3.1526, 0.1770,

0.4463

0.8230


416.5572, 0.3294,
0.4395


 1.2119, 0.0000,
1.0000


 0.0714, 0.0000,
1.0000


 77.7046, 0.3289,
0.5313

 77.7046, 0.3289,
0.5313

 76.0281, 0.3265,
0.5557

 79.7586, 0.3296,
0.5023


 74.6920, 0.3224,
0.5738


 82.2042, 0.3288,
0.4706


 73.6657, 0.3172,
0.5853

 85.0663, 0.3267,
0.4381

 73.4765, 0.3161,
0.5872

 88.3651, 0.3237,
0.4064

 92.1189, 0.3200,
0.3764

 96.3453, 0.3160,
0.3488

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.



77.7046, 0.4242, 0.5043



77.7046, 0.3289, 0.5313



77.7046, 0.2344, 0.4654

Triad

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



77.7046, 0.3289, 0.5313



77.7046, 0.1474, 0.1891



77.7046, 0.4762, 0.2919

Complementary

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



77.7046, 0.3289, 0.5313



25.1222, 0.2650, 0.1510

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.



77.7046, 0.3728, 0.2323



77.7046, 0.3289, 0.5313



77.7046, 0.1878, 0.1757

Square

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



77.7046, 0.3289, 0.5313



77.7046, 0.1399, 0.2403



77.7046, 0.2646, 0.1913



77.7046, 0.5227, 0.3608

Rectangle

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



77.7046, 0.3289, 0.5313



77.7046, 0.1853, 0.3824



77.7046, 0.2646, 0.1913



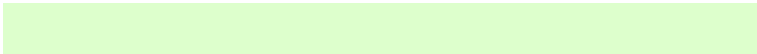
77.7046, 0.4458, 0.2706

Sweetspot

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



77.7079, 0.3289, 0.5313



91.2687, 0.3208, 0.3827



60.6547, 0.4464, 0.4357



19.3054, 0.3219, 0.3910



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.



77.7079, 0.3289, 0.5313



75.5702, 0.3253, 0.5621



74.3960, 0.2940, 0.5215



20.4641, 0.3166, 0.3532



38.4659, 0.3172, 0.5863



3.8023, 0.3257, 0.5796

Inverse Universe

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



25.1222, 0.2650, 0.1510



19.7743, 0.2529, 0.1272



32.9558, 0.3460, 0.1952



17.9773, 0.3084, 0.3052



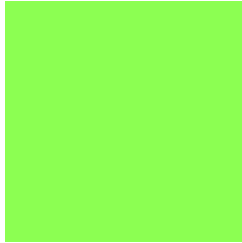
8.2921, 0.2377, 0.1083



0.8673, 0.2473, 0.1136

Previews

White Background



This preview shows how the Yxy color 77.7046, 0.3289, 0.5313 looks on a white background.

Color Contrast Check

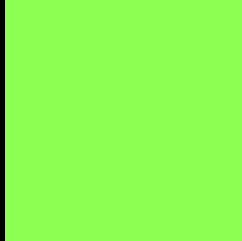
Large Text (above 18pt) WCAG AA × Fail

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 77.7046, 0.3289, 0.5313 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

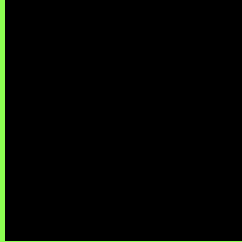
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

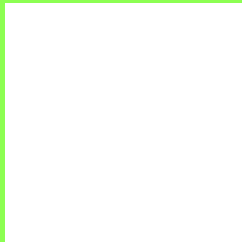
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 77.7046, 0.3289, 0.5313

Background



This preview shows how black text looks on a background with the Yxy color 77.7046, 0.3289, 0.5313.

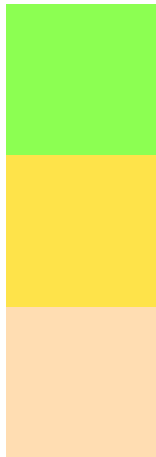


This preview shows how white text looks on a background with the Yxy color 77.7046, 0.3289, 0.5313.

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

77.7046, 0.3289, 0.5313

Protanopia

76.5034, 0.4251, 0.4675

Deuteranopia

76.1873, 0.3680, 0.3731



Tritanopia

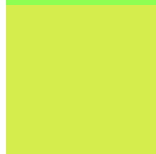
76.9023, 0.2652, 0.3090

Trichromacy



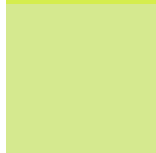
Original Color

77.7046, 0.3289, 0.5313



Protanomaly

75.2503, 0.3867, 0.4926



Deuteranomaly

74.4071, 0.3556, 0.4300



Tritanomaly

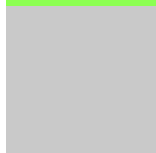
76.1885, 0.2918, 0.3916

Monochromacy



Original Color

77.7046, 0.3289, 0.5313



Achromatopsia

58.4078, 0.3127, 0.3290



Achromatomaly

63.7652, 0.3237, 0.4078

CSS Examples

Text

The CSS property to change the color of the text to Yxy 77.7046, 0.3289, 0.5313 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(140, 255, 82)` looks like.

```
.text, #text, p{  
    color:rgb(140, 255, 82)  
}
```

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(140, 255, 82) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(140, 255, 82) }
```

Border

The CSS property to change the border of an element to Yxy 77.7046, 0.3289, 0.5313 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(140, 255, 82) }
```

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

```
.border{ border-color:rgb(140, 255, 82) }
```

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

Here you see how a box with a 4 pixel rgb(140, 255, 82) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(140, 255, 82); -webkit-box-  
shadow:4px 4px 4px 4px rgb(140, 255, 82);  
box-shadow:4px 4px 4px 4px rgb(140, 255,  
82) }
```


Background

The CSS property to change the background color of an element to Yxy 77.7046, 0.3289, 0.5313 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(140, 255, 82) }
```

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

```
.background{ background-color: rgb(140,  
255, 82) }
```

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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