

Converting Colors

$Y_{xy}(71.0077, 0.3406, 0.5211)$

Have a look what the booklet for
Yxy(71.0077, 0.3406, 0.5211)
contains.

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Color

Yxy(70.8558, 0.3407, 0.5209)

Conversions

Conversions Part 1

Format	Color
Hex	99F250
RGB	153, 242, 80
RGB Percent	60%, 95%, 31%
CMY	0.3998, 0.0510, 0.6862
CMYK	0.37, 0.00, 0.67, 0.05
HSL	93°, 86%, 63%
HSV	93°, 67%, 95%
XYZ	46.3440, 70.8558, 18.8260
YIQ	196.9210, -1.0420, -69.2500

Conversions

Conversions Part 2

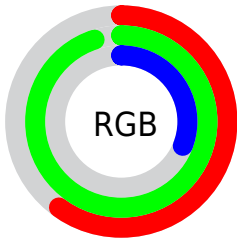
Format	Color
RYB	80, 242, 169
Decimal	10089040
CIELab	87.41, -52.21, 66.88
CIELCh	87, 84.850, 127.979
Yxy	70.8558, 0.3407, 0.5209
Android (android.graphics.Color)	4288279120 (0xFF99F250)
YUV	196.9210, -57.6421, -38.5187
Hunter-Lab	84.1759, -49.0327, 45.6629

Details

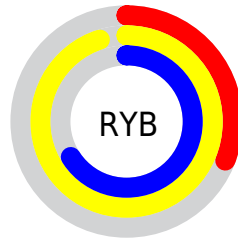
The Yxy color **70.8558, 0.3407, 0.5209** is a light color, and the websafe version is hex **99FF66**. The color can be described as light muted chartreuse. A complement of this color would be **20.5823, 0.2483, 0.1450**, and the grayscale version is **56.1485, 0.3127, 0.3290**.

A 20% lighter version of the original color is **87.2946, 0.3522, 0.4565**, and **37.0908, 0.3371, 0.5683** is the 20% darker color. If you saturate the color by 10%, you get **69.3407, 0.3394, 0.5443**, and if you desaturate by 10%, it is **72.6498, 0.3400, 0.4934**.

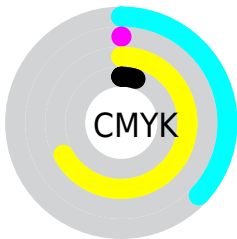
Distribution



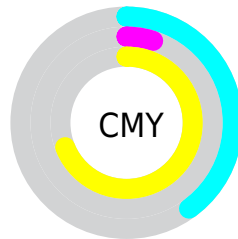
- Red (60%)
- Green (95%)
- Blue (31%)



- Red (31%)
- Yellow (95%)
- Blue (66%)



- Cyan (37%)
- Magenta (0%)
- Yellow (67%)
- Black (5%)




- Cyan (40%)
- Magenta (5%)
- Yellow (69%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 70.8558, 0.3407, 0.5209 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 70.8558, 0.3407, 0.5209 by changing the saturation by 10% instead.


 70.8558, 0.3407,
0.5209


 70.8558, 0.3407,
0.5209

463.5492, 0.3347,
0.4275

 52.2245, 0.3397,
0.5422


 120.4284, 0.3404,
0.4882

 37.1841, 0.3372,
0.5681


 152.1385, 0.3397,
0.4756

 25.3500, 0.3318,
0.5997


 188.9770, 0.3389,
0.4647

 16.3380, 0.3211,
0.6382

 231.3283, 0.3381,
0.4552

 9.7637, 0.3053,
0.6947

279.5767, 0.3372,
0.4470

 5.2425, 0.2626,
0.7374


334.1068, 0.3363,

 2.3903, 0.1892,


0.4397


0.8108


395.3028, 0.3355,
0.4333


 0.8209, 0.0000,
1.0000


 0.0000, 0.0000,
0.0000


 70.8558, 0.3407,
0.5209


 70.8558, 0.3407,
0.5209


 69.3407, 0.3394,
0.5443


 72.6498, 0.3400,
0.4934


 68.0761, 0.3359,
0.5622

 74.7305, 0.3374,
0.4634

 67.0414, 0.3307,
0.5741


 77.1161, 0.3334,
0.4326

 66.7604, 0.3290,
0.5770

 79.8206, 0.3284,
0.4022

 82.8571, 0.3228,
0.3732

 86.2377, 0.3169,
0.3463

 89.9739, 0.3109,
0.3217

 91.9826, 0.3133,
0.3165

Harmonies

Analogous

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



70.8558, 0.4304, 0.4907



70.8558, 0.3407, 0.5209



70.8558, 0.2487, 0.4685

Triad

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



70.8558, 0.3407, 0.5209



70.8558, 0.1516, 0.1992



70.8558, 0.4582, 0.2871

Complementary

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



70.8558, 0.3407, 0.5209



20.5823, 0.2483, 0.1450

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.



70.8558, 0.3575, 0.2310



70.8558, 0.3407, 0.5209



70.8558, 0.1870, 0.1820

Square

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



70.8558, 0.3407, 0.5209



70.8558, 0.1483, 0.2540



70.8558, 0.2570, 0.1939



70.8558, 0.5107, 0.3533

Rectangle

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



70.8558, 0.3407, 0.5209



70.8558, 0.1987, 0.3938



70.8558, 0.2570, 0.1939



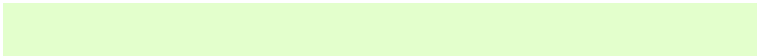
70.8558, 0.4277, 0.2669

Sweetspot

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



70.8589, 0.3407, 0.5209



92.2094, 0.3246, 0.3821



46.8769, 0.4600, 0.4164



19.5292, 0.3262, 0.3902



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.



70.8589, 0.3407, 0.5209



77.5963, 0.3385, 0.5508



65.8714, 0.3008, 0.5397



18.0053, 0.3184, 0.3529



35.9439, 0.3302, 0.5760



3.0485, 0.3404, 0.5679

Inverse Universe

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



20.5823, 0.2483, 0.1450



17.3770, 0.2323, 0.1175



30.7077, 0.3251, 0.1825



15.6565, 0.3066, 0.3052



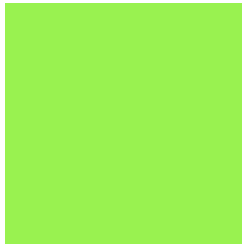
6.2005, 0.2123, 0.0943



0.5748, 0.2258, 0.1018

Previews

White Background



This preview shows how the Yxy color 70.8558, 0.3407, 0.5209 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 70.8558, 0.3407, 0.5209 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

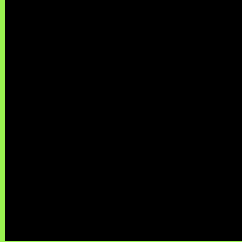
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

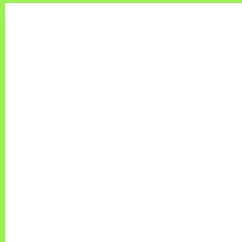
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 70.8558, 0.3407, 0.5209

Background



This preview shows how black text looks on a background with the Yxy color 70.8558, 0.3407, 0.5209.



This preview shows how white text looks on a background with the Yxy color 70.8558, 0.3407, 0.5209.

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

70.8558, 0.3407, 0.5209

Protanopia

69.8703, 0.4238, 0.4655

Deuteranopia

69.9551, 0.3939, 0.3948



Tritanopia

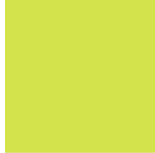
70.2715, 0.2706, 0.3084

Trichromacy



Original Color

70.8558, 0.3407, 0.5209



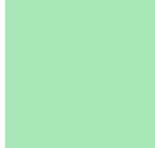
Protanomaly

69.3089, 0.3912, 0.4873



Deuteranomaly

68.5780, 0.3755, 0.4394



Tritanomaly

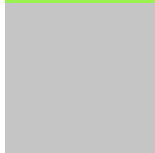
69.4987, 0.2996, 0.3881

Monochromacy



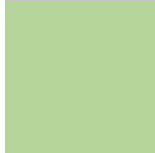
Original Color

70.8558, 0.3407, 0.5209



Achromatopsia

55.8340, 0.3127, 0.3290



Achromatomaly

59.7454, 0.3290, 0.4038

CSS Examples

Text

The CSS property to change the color of the text to Yxy 70.8558, 0.3407, 0.5209 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(153, 242, 80)` looks like.

```
.text, #text, p{  
    color:rgb(153, 242, 80)  
}
```

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(153, 242, 80) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(153, 242, 80) }
```

Border

The CSS property to change the border of an element to Yxy 70.8558, 0.3407, 0.5209 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(153, 242, 80) }
```

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

```
.border{ border-color:rgb(153, 242, 80) }
```

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

Here you see how a box with a 4 pixel `rgb(153, 242, 80)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(153, 242, 80); -webkit-box-  
shadow:4px 4px 4px 4px rgb(153, 242, 80);  
box-shadow:4px 4px 4px 4px rgb(153, 242,  
80) }
```


Background

The CSS property to change the background color of an element to $\text{Yxy } 70.8558, 0.3407, 0.5209$ is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(153, 242, 80) }
```

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

```
.background{ background-color: rgb(153,  
242, 80) }
```

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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