

Converting Colors

$Yxy(78.0758, 0.3195, 0.5084)$

Have a look what the booklet for
Yxy(78.0758, 0.3195, 0.5084)
contains.

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Color

Yxy(78.0705, 0.3196, 0.5085)

Conversions

Conversions Part 1

Format	Color
Hex	8BFF6B
RGB	139, 255, 107
RGB Percent	55%, 100%, 42%
CMY	0.4547, 0.0000, 0.5804
CMYK	0.45, 0.00, 0.58, 0.00
HSL	107°, 100%, 71%
HSV	107°, 58%, 100%
XYZ	49.0685, 78.0705, 26.3920
YIQ	203.4440, -21.6280, -70.6200

Conversions

Conversions Part 2

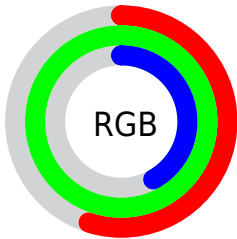
Format	Color
RYB	107, 255, 223
Decimal	9174891
CIELab	90.81, -59.29, 59.46
CIElCh	91, 83.969, 134.920
Yxy	78.0705, 0.3196, 0.5085
Android (android.graphics.Color)	4287364971 (0xFF8BFF6B)
YUV	203.4440, -47.5469, -56.5174
Hunter-Lab	88.3575, -55.4974, 44.1406

Details

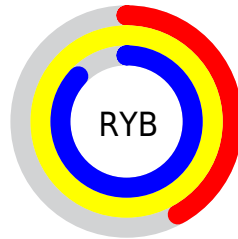
The Yxy color **78.0705, 0.3196, 0.5085** is a light color, and the websafe version is hex **99FF66**. A complement of this color would be **33.4137, 0.2898, 0.1803**, and the grayscale version is **60.3404, 0.3127, 0.3290**.

A 20% lighter version of the original color is **86.2707, 0.3300, 0.4325**, and **41.7493, 0.3137, 0.5543** is the 20% darker color. If you saturate the color by 10%, you get **76.0476, 0.3180, 0.5389**, and if you desaturate by 10%, it is **80.5724, 0.3201, 0.4752**.

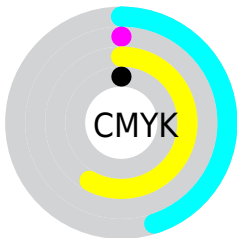
Distribution



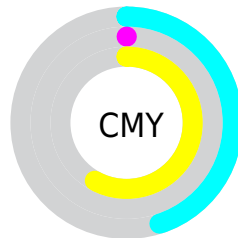
- Red (55%)
- Green (100%)
- Blue (42%)



- Red (42%)
- Yellow (100%)
- Blue (87%)



- Cyan (45%)
- Magenta (0%)
- Yellow (58%)
- Black (0%)





- Cyan (45%)
- Magenta (0%)
- Yellow (58%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 78.0705, 0.3196, 0.5085 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 78.0705, 0.3196, 0.5085 by changing the saturation by 10% instead.


 78.0705, 0.3196,
0.5085


 78.0705, 0.3196,
0.5085


488.4062, 0.3219,
0.4209


 58.1319, 0.3174,
0.5289


 130.6495, 0.3217,
0.4776

 41.9147, 0.3138,
0.5540

 164.0587, 0.3221,
0.4657

 29.0345, 0.3079,
0.5855


 202.7268, 0.3223,
0.4555

 19.1069, 0.2976,
0.6253

 247.0384, 0.3224,
0.4467

 11.7476, 0.2798,
0.6763

297.3777, 0.3223,
0.4390

 6.5720, 0.2508,
0.7492


354.1292, 0.3222,


 3.1959, 0.1885,


0.4323


0.8115


417.6772, 0.3221,
0.4263

 1.2349, 0.0000,
1.0000


 0.0899, 0.0000,
1.0000


 78.0705, 0.3196,
0.5085


 78.0705, 0.3196,
0.5085


 76.0476, 0.3180,
0.5389


 80.5724, 0.3201,
0.4752


 74.4624, 0.3154,
0.5641


 83.5719, 0.3196,
0.4413

 73.2824, 0.3117,
0.5823

 87.0984, 0.3184,
0.4083

 72.4637, 0.3077,
0.5929

 91.1761, 0.3166,
0.3775

 72.3371, 0.3069,
0.5945

 95.8277, 0.3145,
0.3494

99.9982, 0.3127,
0.3290

Harmonies

Analogous

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



78.0705, 0.4086, 0.4967



78.0705, 0.3196, 0.5085



78.0705, 0.2334, 0.4392

Triad

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



78.0705, 0.3196, 0.5085



78.0705, 0.1619, 0.1971



78.0705, 0.4694, 0.3035

Complementary

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



78.0705, 0.3196, 0.5085



33.4137, 0.2898, 0.1803

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.



78.0705, 0.3799, 0.2457



78.0705, 0.3196, 0.5085



78.0705, 0.2040, 0.1871

Square

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



78.0705, 0.3196, 0.5085



78.0705, 0.1515, 0.2414



78.0705, 0.2797, 0.2046



78.0705, 0.5053, 0.3693

Rectangle

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



78.0705, 0.3196, 0.5085



78.0705, 0.1899, 0.3646



78.0705, 0.2797, 0.2046



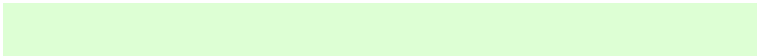
78.0705, 0.4438, 0.2829

Sweetspot

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



78.0738, 0.3196, 0.5085



91.6343, 0.3164, 0.3744



75.0597, 0.4133, 0.4415



19.4259, 0.3168, 0.3804



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.



78.0738, 0.3196, 0.5085



75.7049, 0.3176, 0.5443



76.8118, 0.2867, 0.4661



20.3577, 0.3148, 0.3533



37.8510, 0.3078, 0.5938



3.7305, 0.3149, 0.5882

Inverse Universe

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



33.4137, 0.2898, 0.1803



27.1079, 0.2830, 0.1563



36.5825, 0.3611, 0.2257



18.0902, 0.3103, 0.3053



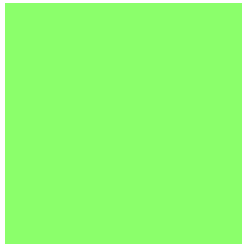
10.2398, 0.2665, 0.1242



1.0439, 0.2730, 0.1277

Previews

White Background



This preview shows how the Yxy color 78.0705, 0.3196, 0.5085 looks on a white background.

Color Contrast Check

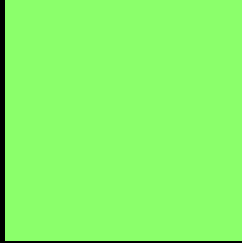
Large Text (above 18pt) WCAG AA × Fail

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 78.0705, 0.3196, 0.5085 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

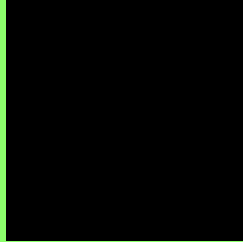
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

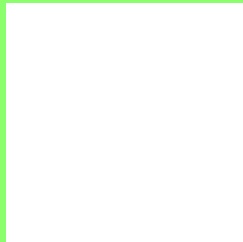
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 78.0705, 0.3196, 0.5085

Background



This preview shows how black text looks on a background with the Yxy color 78.0705, 0.3196, 0.5085.

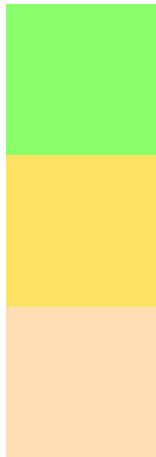


This preview shows how white text looks on a background with the Yxy color 78.0705, 0.3196, 0.5085.

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

78.0705, 0.3196, 0.5085

Protanopia

76.5345, 0.4127, 0.4521

Deuteranopia

76.8800, 0.3648, 0.3700



Tritanopia

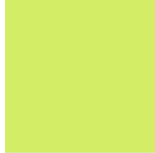
77.5992, 0.2659, 0.3101

Trichromacy



Original Color

78.0705, 0.3196, 0.5085



Protanomaly

75.3766, 0.3747, 0.4744



Deuteranomaly

75.3583, 0.3480, 0.4178



Tritanomaly

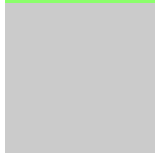
76.7049, 0.2875, 0.3803

Monochromacy



Original Color

78.0705, 0.3196, 0.5085



Achromatopsia

59.7202, 0.3127, 0.3290



Achromatomaly

64.7730, 0.3179, 0.3959

CSS Examples

Text

The CSS property to change the color of the text to Yxy 78.0705, 0.3196, 0.5085 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(139, 255, 107)` looks like.

```
.text, #text, p{  
    color:rgb(139, 255, 107)  
}
```

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(139, 255, 107) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(139, 255, 107) }
```

Border

The CSS property to change the border of an element to Yxy 78.0705, 0.3196, 0.5085 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(139, 255, 107) }
```

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

```
.border{ border-color:rgb(139, 255, 107) }
```

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

Here you see how a box with a 4 pixel `rgb(139, 255, 107)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(139, 255, 107); -webkit-box-  
shadow:4px 4px 4px 4px rgb(139, 255, 107);  
box-shadow:4px 4px 4px 4px rgb(139, 255,  
107) }
```


Background

The CSS property to change the background color of an element to Yxy 78.0705, 0.3196, 0.5085 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(139, 255, 107) }
```

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

```
.background{ background-color: rgb(139,  
255, 107) }
```

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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