

Converting Colors

Yxy(78.4132, 0.3217, 0.5072)

Have a look what the booklet for
Yxy(78.4132, 0.3217, 0.5072)
contains.

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Color

Yxy(78.4212, 0.3218, 0.5073)

Conversions

Conversions Part 1

Format	Color
Hex	8FFF6B
RGB	143, 255, 107
RGB Percent	56%, 100%, 42%
CMY	0.4391, 0.0000, 0.5805
CMYK	0.44, 0.00, 0.58, 0.00
HSL	105°, 100%, 71%
HSV	105°, 58%, 100%
XYZ	49.7456, 78.4212, 26.4187
YIQ	204.6400, -19.2440, -69.7720

Conversions

Conversions Part 2

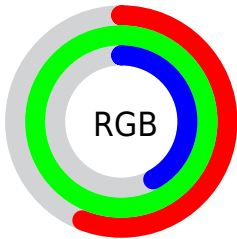
Format	Color
RYB	107, 255, 219
Decimal	9437035
CIELab	90.97, -58.14, 59.69
CIELCh	91, 83.329, 134.247
Yxy	78.4212, 0.3218, 0.5073
Android (android.graphics.Color)	4287627115 (0xFF8FFF6B)
YUV	204.6400, -48.1365, -54.0583
Hunter-Lab	88.5557, -54.7014, 44.3012

Details

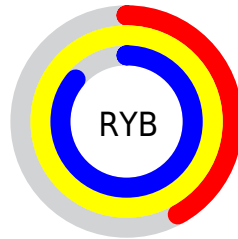
The Yxy color **78.4212, 0.3218, 0.5073** is a light color, and the websafe version is hex **99FF66**. A complement of this color would be **32.7828, 0.2862, 0.1787**, and the grayscale version is **61.1364, 0.3127, 0.3290**.

A 20% lighter version of the original color is **86.6852, 0.3320, 0.4319**, and **41.9654, 0.3165, 0.5524** is the 20% darker color. If you saturate the color by 10%, you get **76.3879, 0.3204, 0.5374**, and if you desaturate by 10%, it is **80.9149, 0.3220, 0.4744**.

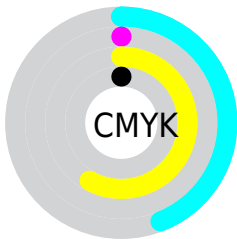
Distribution



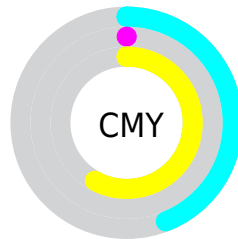
- Red (56%)
- Green (100%)
- Blue (42%)



- Red (42%)
- Yellow (100%)
- Blue (86%)



- Cyan (44%)
- Magenta (0%)
- Yellow (58%)
- Black (0%)



- Cyan (44%)
- Magenta (0%)
- Yellow (58%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 78.4212, 0.3218, 0.5073 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 78.4212, 0.3218, 0.5073 by changing the saturation by 10% instead.

 78.4212, 0.3218,
0.5073


 78.4212, 0.3218,
0.5073


489.5961, 0.3231,
0.4205


 58.4200, 0.3199,
0.5275


 131.1437, 0.3235,
0.4768


 42.1464, 0.3166,
0.5523


 164.6339, 0.3238,
0.4650

 29.2160, 0.3110,
0.5832


 203.3891, 0.3239,
0.4549

 19.2443, 0.3013,
0.6224

 247.7939, 0.3238,
0.4461

 11.8469, 0.2841,
0.6724

298.2326, 0.3237,
0.4385

 6.6395, 0.2561,
0.7439


355.0896, 0.3235,


 3.2377, 0.1956,

0.4318

0.8044


418.7493, 0.3233,
0.4258


 1.2571, 0.0000,
1.0000

 0.1076, 0.0000,
1.0000


 78.4212, 0.3218,
0.5073


 78.4212, 0.3218,
0.5073


 76.3879, 0.3204,
0.5374


 80.9149, 0.3220,
0.4744


 74.7762, 0.3177,
0.5624

 83.8863, 0.3212,
0.4407

 73.5557, 0.3139,
0.5806

 87.3632, 0.3196,
0.4080

 72.6852, 0.3095,
0.5915

 91.3681, 0.3174,
0.3774

 72.5480, 0.3087,
0.5931

 95.9226, 0.3149,
0.3494

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.



78.4212, 0.4100, 0.4944



78.4212, 0.3218, 0.5073



78.4212, 0.2359, 0.4403

Triad

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



78.4212, 0.3218, 0.5073



78.4212, 0.1624, 0.1987



78.4212, 0.4664, 0.3024

Complementary

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



78.4212, 0.3218, 0.5073



32.7828, 0.2862, 0.1787

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.



78.4212, 0.3770, 0.2452



78.4212, 0.3218, 0.5073



78.4212, 0.2036, 0.1880

Square

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



78.4212, 0.3218, 0.5073



78.4212, 0.1528, 0.2436



78.4212, 0.2780, 0.2048



78.4212, 0.5037, 0.3678

Rectangle

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



78.4212, 0.3218, 0.5073



78.4212, 0.1921, 0.3669



78.4212, 0.2780, 0.2048



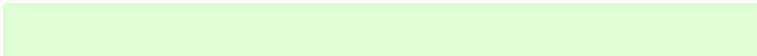
78.4212, 0.4407, 0.2820

Sweetspot

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



78.4243, 0.3218, 0.5073



91.8186, 0.3171, 0.3743



72.4616, 0.4162, 0.4374



19.4690, 0.3176, 0.3802



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.



78.4243, 0.3218, 0.5073



76.0406, 0.3199, 0.5427



76.6579, 0.2888, 0.4726



20.3817, 0.3152, 0.3533



37.9653, 0.3096, 0.5924



3.7447, 0.3171, 0.5864

Inverse Universe

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



32.7828, 0.2862, 0.1787



26.3835, 0.2784, 0.1541



36.8333, 0.3557, 0.2215



18.0644, 0.3099, 0.3053



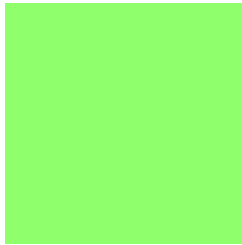
9.7616, 0.2598, 0.1205



1.0011, 0.2671, 0.1245

Previews

White Background



This preview shows how the Yxy color 78.4212, 0.3218, 0.5073 looks on a white background.

Color Contrast Check

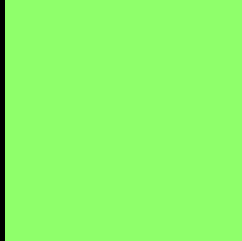
Large Text (above 18pt) WCAG AA × Fail

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 78.4212, 0.3218, 0.5073 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

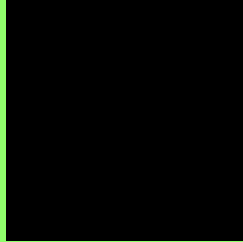
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

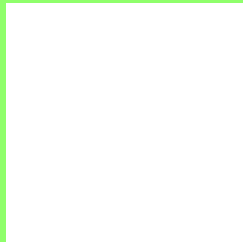
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 78.4212, 0.3218, 0.5073

Background



This preview shows how black text looks on a background with the Yxy color 78.4212, 0.3218, 0.5073.

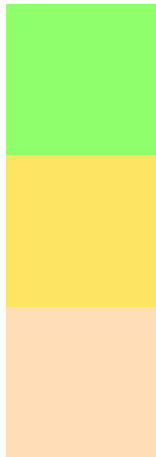


This preview shows how white text looks on a background with the Yxy color 78.4212, 0.3218, 0.5073.

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

78.4212, 0.3218, 0.5073

Protanopia

77.2703, 0.4128, 0.4525

Deuteranopia

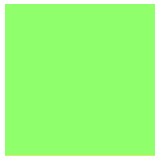
76.9214, 0.3641, 0.3690



Tritanopia

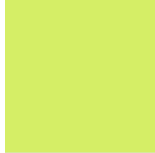
77.8340, 0.2670, 0.3102

Trichromacy



Original Color

78.4212, 0.3218, 0.5073



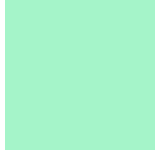
Protanomaly

76.2545, 0.3758, 0.4743



Deuteranomaly

75.5083, 0.3488, 0.4175



Tritanomaly

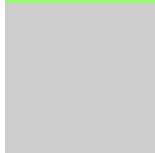
76.9177, 0.2887, 0.3801

Monochromacy



Original Color

78.4212, 0.3218, 0.5073



Achromatopsia

61.0496, 0.3127, 0.3290



Achromatomaly

65.5850, 0.3186, 0.3955

CSS Examples

Text

The CSS property to change the color of the text to Yxy 78.4212, 0.3218, 0.5073 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(143, 255, 107)` looks like.

```
.text, #text, p{  
    color:rgb(143, 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(143, 255, 107) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(143, 255, 107) }
```

Border

The CSS property to change the border of an element to Yxy 78.4212, 0.3218, 0.5073 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(143, 255, 107) }
```

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

```
.border{ border-color:rgb(143, 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(143, 255, 107)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(143, 255, 107); -webkit-box-  
shadow:4px 4px 4px 4px rgb(143, 255, 107);  
box-shadow:4px 4px 4px 4px rgb(143, 255,  
107) }
```


Background

The CSS property to change the background color of an element to Yxy 78.4212, 0.3218, 0.5073 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(143, 255, 107) }
```

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

```
.background{ background-color: rgb(143,  
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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