

Converting Colors

$Yxy(97.9402, 0.3132, 0.5183)$

Have a look what the booklet for
Yxy(97.9402, 0.3132, 0.5183)
contains.

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Color

Yxy(78.1382, 0.3163, 0.5015)

Conversions

Conversions Part 1

Format	Color
Hex	8AFF72
RGB	138, 255, 114
RGB Percent	54%, 100%, 45%
CMY	0.4586, 0.0000, 0.5531
CMYK	0.46, 0.00, 0.55, 0.00
HSL	110°, 100%, 72%
HSV	110°, 55%, 100%
XYZ	49.2824, 78.1382, 28.3884
YIQ	203.9430, -24.4710, -68.6550

Conversions

Conversions Part 2

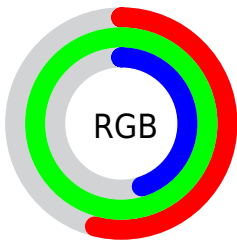
Format	Color
RYB	114, 255, 231
Decimal	9109362
CIELab	90.84, -58.84, 56.44
CIElCh	91, 81.537, 136.192
Yxy	78.1382, 0.3163, 0.5015
Android (android.graphics.Color)	4287299442 (0xFF8AFF72)
YUV	203.9430, -44.3419, -57.8320
Hunter-Lab	88.3958, -55.1755, 42.8360

Details

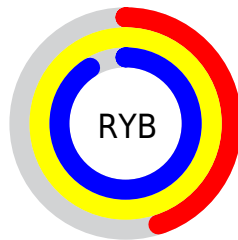
The Yxy color **78.1382, 0.3163, 0.5015** is a light color, and the websafe version is hex **99FF66**. A complement of this color would be **36.2156, 0.2971, 0.1888**, and the grayscale version is **60.6490, 0.3127, 0.3290**.

A 20% lighter version of the original color is **86.3903, 0.3256, 0.4249**, and **41.8365, 0.3106, 0.5449** is the 20% darker color. If you saturate the color by 10%, you get **76.0077, 0.3148, 0.5334**, and if you desaturate by 10%, it is **80.7881, 0.3169, 0.4673**.

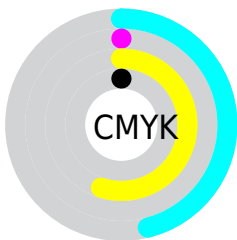
Distribution



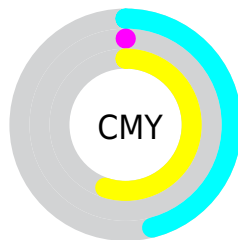
- Red (54%)
- Green (100%)
- Blue (45%)



- Red (45%)
- Yellow (100%)
- Blue (91%)



- Cyan (46%)
- Magenta (0%)
- Yellow (55%)
- Black (0%)




- Cyan (46%)
- Magenta (0%)
- Yellow (55%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 78.1382, 0.3163, 0.5015 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 78.1382, 0.3163, 0.5015 by changing the saturation by 10% instead.


 78.1382, 0.3163,
0.5015


 78.1382, 0.3163,
0.5015


488.6360, 0.3196,
0.4172


 58.1875, 0.3141,
0.5213


 130.7449, 0.3186,
0.4717

 41.9594, 0.3105,
0.5458

 164.1697, 0.3191,
0.4602

 29.0695, 0.3047,
0.5765


 202.8547, 0.3195,
0.4504

 19.1334, 0.2950,
0.6159

247.1843, 0.3196,
0.4420

 11.7667, 0.2780,
0.6667

297.5428, 0.3197,
0.4346

 6.5850, 0.2527,
0.7473


354.3147, 0.3197,


 3.2040, 0.1911,


0.4281


0.8089

417.8843, 0.3197,
0.4223


 1.2391, 0.0000,
1.0000


 0.0933, 0.0000,
1.0000


 78.1382, 0.3163,
0.5015


 78.1382, 0.3163,
0.5015


 76.0077, 0.3148,
0.5334


 80.7881, 0.3169,
0.4673


 74.3525, 0.3125,
0.5604


 83.9787, 0.3168,
0.4329

 73.1371, 0.3094,
0.5806

 87.7416, 0.3161,
0.4001

 72.3164, 0.3060,
0.5929

 92.1035, 0.3149,
0.3697

 72.0460, 0.3045,
0.5964

 97.0891, 0.3135,
0.3423

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.



78.1382, 0.4035, 0.4942



78.1382, 0.3163, 0.5015



78.1382, 0.2328, 0.4313

Triad

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



78.1382, 0.3163, 0.5015



78.1382, 0.1664, 0.1993



78.1382, 0.4676, 0.3071

Complementary

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



78.1382, 0.3163, 0.5015



36.2156, 0.2971, 0.1888

Split Complementary

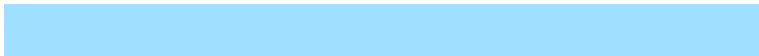
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



78.1382, 0.3823, 0.2499



78.1382, 0.3163, 0.5015



78.1382, 0.2092, 0.1905

Square

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



78.1382, 0.3163, 0.5015



78.1382, 0.1550, 0.2414



78.1382, 0.2846, 0.2087



78.1382, 0.5002, 0.3721

Rectangle

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



78.1382, 0.3163, 0.5015



78.1382, 0.1910, 0.3592



78.1382, 0.2846, 0.2087



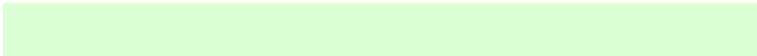
78.1382, 0.4434, 0.2869

Sweetspot

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



78.1415, 0.3163, 0.5015



91.3248, 0.3152, 0.3746



78.5904, 0.4059, 0.4411



19.3536, 0.3154, 0.3806



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.



78.1415, 0.3163, 0.5015



75.8792, 0.3147, 0.5354



77.5840, 0.2852, 0.4523



20.3172, 0.3141, 0.3534



37.6888, 0.3052, 0.5959



3.7091, 0.3116, 0.5908

Inverse Universe

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



36.2156, 0.2971, 0.1888



30.1959, 0.2926, 0.1671



37.9533, 0.3631, 0.2339



18.1341, 0.3110, 0.3054



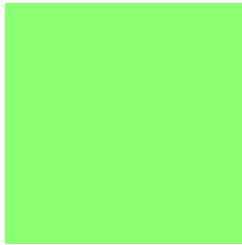
11.0998, 0.2779, 0.1305



1.1203, 0.2831, 0.1333

Previews

White Background



This preview shows how the Yxy color 78.1382, 0.3163, 0.5015 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 78.1382, 0.3163, 0.5015 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

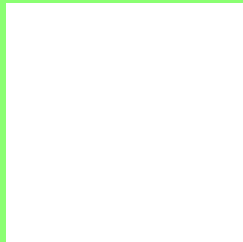
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 78.1382, 0.3163, 0.5015

Background



This preview shows how black text looks on a background with the Yxy color 78.1382, 0.3163, 0.5015.

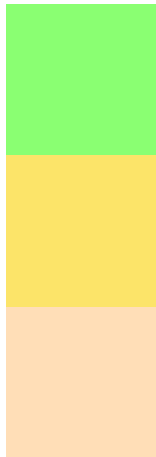


This preview shows how white text looks on a background with the Yxy color 78.1382, 0.3163, 0.5015.

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

78.1382, 0.3163, 0.5015

Protanopia

77.2022, 0.4091, 0.4483

Deuteranopia

76.9214, 0.3641, 0.3690



Tritanopia

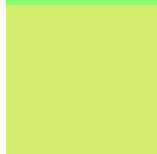
77.4830, 0.2654, 0.3101

Trichromacy



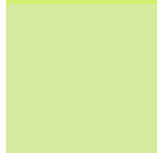
Original Color

78.1382, 0.3163, 0.5015



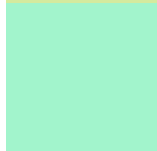
Protanomaly

76.0807, 0.3714, 0.4698



Deuteranomaly

75.3113, 0.3455, 0.4146



Tritanomaly

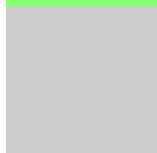
76.7424, 0.2854, 0.3766

Monochromacy



Original Color

78.1382, 0.3163, 0.5015



Achromatopsia

60.3827, 0.3127, 0.3290



Achromatomaly

65.4189, 0.3159, 0.3932

CSS Examples

Text

The CSS property to change the color of the text to Yxy 78.1382, 0.3163, 0.5015 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(138, 255, 114)` looks like.

```
.text, #text, p{  
    color:rgb(138, 255, 114)  
}
```

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(138, 255, 114) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(138, 255, 114) }
```

Border

The CSS property to change the border of an element to Yxy 78.1382, 0.3163, 0.5015 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(138, 255, 114) }
```

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

```
.border{ border-color:rgb(138, 255, 114) }
```

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

Here you see how a box with a 4 pixel `rgb(138, 255, 114)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(138, 255, 114); -webkit-box-  
shadow:4px 4px 4px 4px rgb(138, 255, 114);  
box-shadow:4px 4px 4px 4px rgb(138, 255,  
114) }
```


Background

The CSS property to change the background color of an element to Yxy 78.1382, 0.3163, 0.5015 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(138, 255, 114) }
```

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

```
.background{ background-color: rgb(138,  
255, 114) }
```

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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