

Converting Colors

Yxy(78.2116, 0.3304, 0.5262)

Have a look what the booklet for
Yxy(78.2116, 0.3304, 0.5262)
contains.

Yxy(78.2116, 0.3304, 0.5262)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(78.2116, 0.3304, 0.5262)

Conversions

Conversions Part 1

Format	Color
Hex	91FF56
RGB	145, 255, 86
RGB Percent	57%, 100%, 34%
CMY	0.4316, 0.0000, 0.6627
CMYK	0.43, 0.00, 0.66, 0.00
HSL	99°, 100%, 67%
HSV	99°, 66%, 100%
XYZ	49.1089, 78.2116, 21.3142
YIQ	202.8440, -11.3110, -75.8790

Conversions

Conversions Part 2

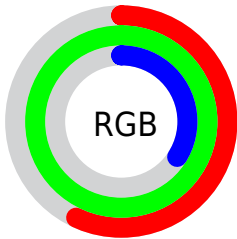
Format	Color
RYB	86, 255, 196
Decimal	9568086
CIELab	90.88, -59.46, 68.14
CIELCh	91, 90.437, 131.107
Yxy	78.2116, 0.3304, 0.5262
Android (android.graphics.Color)	4287758166 (0xFF91FF56)
YUV	202.8440, -57.6041, -50.7292
Hunter-Lab	88.4373, -55.6449, 47.6167

Details

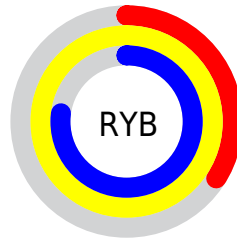
The Yxy color **78.2116, 0.3304, 0.5262** is a light color, and the websafe version is hex **99FF66**. The color can be described as light muted chartreuse. A complement of this color would be **25.6242, 0.2644, 0.1534**, and the grayscale version is **59.9800, 0.3127, 0.3290**.

A 20% lighter version of the original color is **86.4823, 0.3439, 0.4514**, and **41.8610, 0.3251, 0.5735** is the 20% darker color. If you saturate the color by 10%, you get **76.4665, 0.3283, 0.5513**, and if you desaturate by 10%, it is **80.3130, 0.3307, 0.4968**.

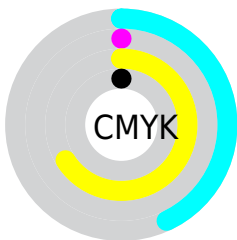
Distribution



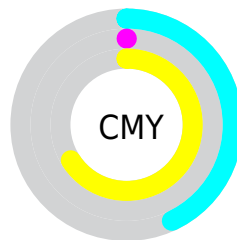
- Red (57%)
- Green (100%)
- Blue (34%)



- Red (34%)
- Yellow (100%)
- Blue (77%)



- Cyan (43%)
- Magenta (0%)
- Yellow (66%)
- Black (0%)





- Cyan (43%)
- Magenta (0%)
- Yellow (66%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 78.2116, 0.3304, 0.5262 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 78.2116, 0.3304, 0.5262 by changing the saturation by 10% instead.

 78.2116, 0.3304,
0.5262


 78.2116, 0.3304,
0.5262


488.8851, 0.3294,
0.4310


 58.2478, 0.3284,
0.5478


 130.8484, 0.3318,
0.4930

 42.0079, 0.3248,
0.5740


 164.2901, 0.3318,
0.4801

 29.1075, 0.3183,
0.6060


 202.9934, 0.3316,
0.4690

 19.1621, 0.3067,
0.6452

 247.3425, 0.3313,
0.4594

 11.7875, 0.2895,
0.7008

297.7218, 0.3308,
0.4509

 6.5992, 0.2504,
0.7496


354.5157, 0.3304,


 3.2127, 0.1883,


0.4435


0.8117


418.1087, 0.3299,
0.4369


 1.2438, 0.0000,
1.0000

 0.0970, 0.0000,
1.0000


 78.2116, 0.3304,
0.5262


 78.2116, 0.3304,
0.5262


 76.4665, 0.3283,
0.5513


 80.3130, 0.3307,
0.4968

 75.0679, 0.3245,
0.5704

 82.8099, 0.3295,
0.4651


 73.9797, 0.3194,
0.5828

 85.7176, 0.3271,
0.4328

 73.6396, 0.3174,
0.5862

 89.0554, 0.3237,
0.4014

 92.8411, 0.3197,
0.3719

 97.0915, 0.3155,
0.3447

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.



78.2116, 0.4237, 0.5004



78.2116, 0.3304, 0.5262



78.2116, 0.2375, 0.4628

Triad

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



78.2116, 0.3304, 0.5262



78.2116, 0.1501, 0.1923



78.2116, 0.4714, 0.2923

Complementary

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



78.2116, 0.3304, 0.5262



25.6242, 0.2644, 0.1534

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.



78.2116, 0.3703, 0.2337



78.2116, 0.3304, 0.5262



78.2116, 0.1896, 0.1785

Square

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



78.2116, 0.3304, 0.5262



78.2116, 0.1432, 0.2435



78.2116, 0.2648, 0.1936



78.2116, 0.5179, 0.3602

Rectangle

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



78.2116, 0.3304, 0.5262



78.2116, 0.1888, 0.3826



78.2116, 0.2648, 0.1936



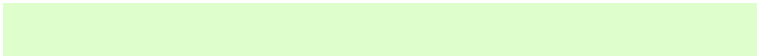
78.2116, 0.4415, 0.2713

Sweetspot

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



78.2062, 0.3304, 0.5262



91.3750, 0.3212, 0.3826



61.3468, 0.4432, 0.4341



19.3307, 0.3224, 0.3909



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.



78.2062, 0.3304, 0.5262



75.9062, 0.3271, 0.5592



74.6549, 0.2941, 0.5168



20.4761, 0.3169, 0.3532



38.5530, 0.3185, 0.5853



3.8118, 0.3271, 0.5785

Inverse Universe

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



25.6242, 0.2644, 0.1534



19.7618, 0.2513, 0.1274



33.6117, 0.3451, 0.1972



17.9649, 0.3082, 0.3052



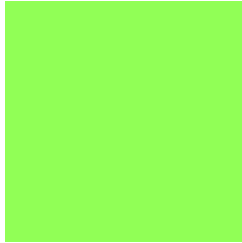
8.0999, 0.2346, 0.1066



0.8495, 0.2445, 0.1120

Previews

White Background



This preview shows how the Yxy color 78.2116, 0.3304, 0.5262 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 78.2116, 0.3304, 0.5262 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

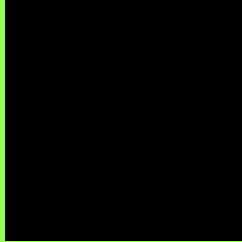
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 78.2116, 0.3304, 0.5262

Background



This preview shows how black text looks on a background with the Yxy color 78.2116, 0.3304, 0.5262.

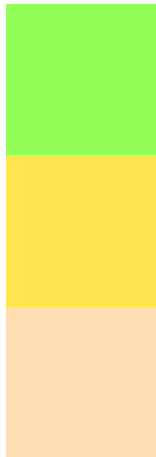


This preview shows how white text looks on a background with the Yxy color 78.2116, 0.3304, 0.5262.

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

78.2116, 0.3304, 0.5262

Protanopia

77.1221, 0.4225, 0.4653

Deuteranopia

76.7978, 0.3662, 0.3721



Tritanopia

77.3721, 0.2674, 0.3091

Trichromacy



Original Color

78.2116, 0.3304, 0.5262



Protanomaly

76.0544, 0.3850, 0.4894



Deuteranomaly

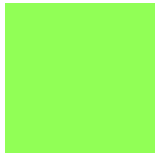
75.3680, 0.3550, 0.4272



Tritanomaly

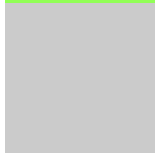
76.8119, 0.2936, 0.3886

Monochromacy



Original Color

78.2116, 0.3304, 0.5262



Achromatopsia

59.7202, 0.3127, 0.3290



Achromatomaly

64.7257, 0.3245, 0.4058

CSS Examples

Text

The CSS property to change the color of the text to Yxy 78.2116, 0.3304, 0.5262 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(145, 255, 86)` looks like.

```
.text, #text, p{  
    color:rgb(145, 255, 86)  
}
```

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(145, 255, 86) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(145, 255, 86) }
```

Border

The CSS property to change the border of an element to Yxy 78.2116, 0.3304, 0.5262 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(145, 255, 86) }
```

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

```
.border{ border-color:rgb(145, 255, 86) }
```

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

Here you see how a box with a 4 pixel rgb(145, 255, 86) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(145, 255, 86); -webkit-box-  
shadow:4px 4px 4px 4px rgb(145, 255, 86);  
box-shadow:4px 4px 4px 4px rgb(145, 255,  
86) }
```


Background

The CSS property to change the background color of an element to Yxy 78.2116, 0.3304, 0.5262 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(145, 255, 86) }
```

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

```
.background{ background-color: rgb(145,  
255, 86) }
```

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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