

Converting Colors

$Y_{xy}(78.9373, 0.3275, 0.5101)$

Have a look what the booklet for
Yxy(78.9373, 0.3275, 0.5101)
contains.

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Color

Yxy(78.9633, 0.3277, 0.5100)

Conversions

Conversions Part 1

Format	Color
Hex	96FF66
RGB	150, 255, 102
RGB Percent	59%, 100%, 40%
CMY	0.4117, 0.0000, 0.6001
CMYK	0.41, 0.00, 0.60, 0.00
HSL	101°, 100%, 70%
HSV	101°, 60%, 100%
XYZ	50.7378, 78.9633, 25.1289
YIQ	206.1630, -13.4670, -69.8430

Conversions

Conversions Part 2

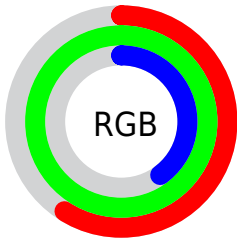
Format	Color
RYB	102, 255, 207
Decimal	9895782
CIELab	91.22, -56.54, 62.18
CIElCh	91, 84.044, 132.281
Yxy	78.9633, 0.3277, 0.5100
Android (android.graphics.Color)	4288085862 (0xFF96FF66)
YUV	206.1630, -51.3524, -49.2550
Hunter-Lab	88.8613, -53.5878, 45.4364

Details

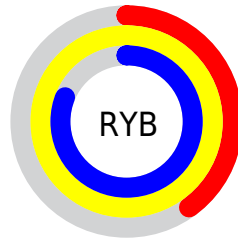
The Yxy color **78.9633, 0.3277, 0.5100** is a light color, and the websafe version is hex **99FF66**. A complement of this color would be **29.9748, 0.2751, 0.1700**, and the grayscale version is **62.1753, 0.3127, 0.3290**.

A 20% lighter version of the original color is **87.5439, 0.3387, 0.4346**, and **42.2956, 0.3232, 0.5543** is the 20% darker color. If you saturate the color by 10%, you get **76.9968, 0.3264, 0.5384**, and if you desaturate by 10%, it is **81.3364, 0.3274, 0.4784**.

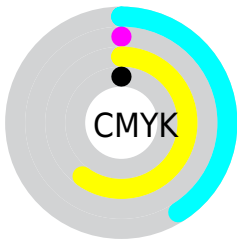
Distribution



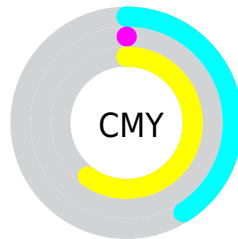
- Red (59%)
- Green (100%)
- Blue (40%)



- Red (40%)
- Yellow (100%)
- Blue (81%)



- Cyan (41%)
- Magenta (0%)
- Yellow (60%)
- Black (0%)




- Cyan (41%)
- Magenta (0%)
- Yellow (60%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 78.9633, 0.3277, 0.5100 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 78.9633, 0.3277, 0.5100 by changing the saturation by 10% instead.


 78.9633, 0.3277,
0.5100

 78.9633, 0.3277,
0.5100


491.4322, 0.3266,
0.4224


 58.8656, 0.3262,
0.5301

 131.9072, 0.3287,
0.4793

 42.5050, 0.3234,
0.5548


 165.5222, 0.3287,
0.4674

 29.4969, 0.3182,
0.5853


 204.4118, 0.3285,
0.4572

 19.4570, 0.3090,
0.6235

 248.9604, 0.3282,
0.4484

 12.0010, 0.2927,
0.6725

299.5523, 0.3278,
0.4407

 6.7443, 0.2636,
0.7364

356.5720, 0.3274,

 3.3027, 0.2051,

0.4339

0.7949

420.4038, 0.3270,
0.4278

■ 1.2918, 0.0000,
1.0000

■ 0.1348, 0.0000,
1.0000

■ 78.9633, 0.3277,
0.5100

■ 78.9633, 0.3277,
0.5100

■ 76.9968, 0.3264,
0.5384

■ 81.3364, 0.3274,
0.4784

■ 75.4062, 0.3236,
0.5618


■ 84.1344, 0.3259,
0.4457

■ 74.1637, 0.3193,
0.5785

■ 87.3800, 0.3233,
0.4134

■ 73.2286, 0.3142,
0.5888

■ 91.0930, 0.3201,
0.3828

 95.2920, 0.3165,
0.3546

99.9943, 0.3127,
0.3290

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.



78.9633, 0.4157, 0.4923



78.9633, 0.3277, 0.5100



78.9633, 0.2405, 0.4477

Triad

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



78.9633, 0.3277, 0.5100



78.9633, 0.1601, 0.1998



78.9633, 0.4627, 0.2981

Complementary

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



78.9633, 0.3277, 0.5100



29.9748, 0.2751, 0.1700

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.



78.9633, 0.3707, 0.2415



78.9633, 0.3277, 0.5100



78.9633, 0.1993, 0.1871

Square

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



78.9633, 0.3277, 0.5100



78.9633, 0.1525, 0.2475



78.9633, 0.2719, 0.2023



78.9633, 0.5043, 0.3633

Rectangle

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



78.9633, 0.3277, 0.5100



78.9633, 0.1951, 0.3746



78.9633, 0.2719, 0.2023



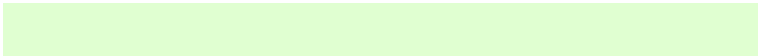
78.9633, 0.4358, 0.2778

Sweetspot

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



78.9650, 0.3277, 0.5100



91.8980, 0.3194, 0.3770



66.6222, 0.4264, 0.4315



19.4221, 0.3204, 0.3855



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.



78.9650, 0.3277, 0.5100



76.6513, 0.3260, 0.5435



75.9555, 0.2928, 0.4912



20.4448, 0.3163, 0.3532



38.3331, 0.3152, 0.5879



3.7876, 0.3236, 0.5813

Inverse Universe

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



29.9748, 0.2751, 0.1700



23.6949, 0.2649, 0.1445



36.3000, 0.3467, 0.2103



17.9976, 0.3087, 0.3052



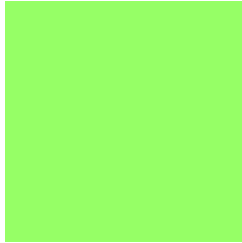
8.6135, 0.2427, 0.1111



0.8969, 0.2518, 0.1161

Previews

White Background



This preview shows how the Yxy color 78.9633, 0.3277, 0.5100 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 78.9633, 0.3277, 0.5100 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

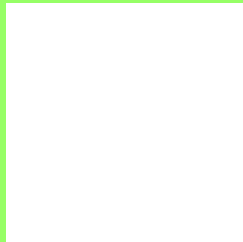
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 78.9633, 0.3277, 0.5100

Background



This preview shows how black text looks on a background with the Yxy color 78.9633, 0.3277, 0.5100.

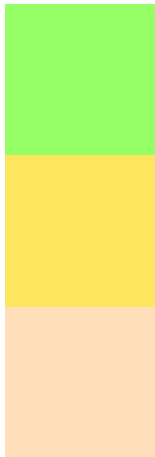


This preview shows how white text looks on a background with the Yxy color 78.9633, 0.3277, 0.5100.

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

78.9633, 0.3277, 0.5100

Protanopia

77.9176, 0.4154, 0.4564

Deuteranopia

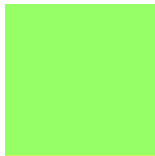
77.5381, 0.3624, 0.3679



Tritanopia

78.4364, 0.2697, 0.3103

Trichromacy



Original Color

78.9633, 0.3277, 0.5100



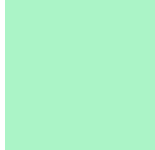
Protanomaly

76.6111, 0.3803, 0.4772



Deuteranomaly

76.5349, 0.3507, 0.4178



Tritanomaly

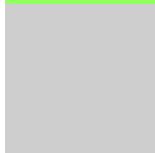
77.4828, 0.2932, 0.3821

Monochromacy



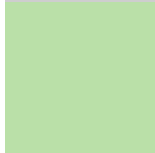
Original Color

78.9633, 0.3277, 0.5100



Achromatopsia

61.7207, 0.3127, 0.3290



Achromatomaly

66.5776, 0.3220, 0.3972

CSS Examples

Text

The CSS property to change the color of the text to Yxy 78.9633, 0.3277, 0.5100 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(150, 255, 102)` looks like.

```
.text, #text, p{  
    color:rgb(150, 255, 102)  
}
```

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(150, 255, 102) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(150, 255, 102) }
```

Border

The CSS property to change the border of an element to Yxy 78.9633, 0.3277, 0.5100 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(150, 255, 102) }
```

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

```
.border{ border-color:rgb(150, 255, 102) }
```

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

Here you see how a box with a 4 pixel `rgb(150, 255, 102)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(150, 255, 102); -webkit-box-  
shadow:4px 4px 4px 4px rgb(150, 255, 102);  
box-shadow:4px 4px 4px 4px rgb(150, 255,  
102) }
```


Background

The CSS property to change the background color of an element to Yxy 78.9633, 0.3277, 0.5100 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(150, 255, 102) }
```

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

```
.background{ background-color: rgb(150,  
255, 102) }
```

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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