

Converting Colors

$Y_{xy}(77.7717, 0.3273, 0.5274)$

Have a look what the booklet for
Yxy(77.7717, 0.3273, 0.5274)
contains.

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Color

Yxy(77.7836, 0.3273, 0.5271)

Conversions

Conversions Part 1

Format	Color
Hex	8CFF57
RGB	140, 255, 87
RGB Percent	55%, 100%, 34%
CMY	0.4509, 0.0000, 0.6588
CMYK	0.45, 0.00, 0.66, 0.00
HSL	101°, 100%, 67%
HSV	101°, 66%, 100%
XYZ	48.2993, 77.7836, 21.4860
YIQ	201.4630, -14.6120, -76.6280

Conversions

Conversions Part 2

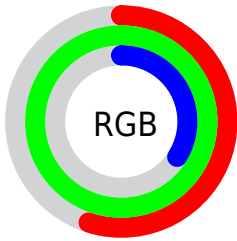
Format	Color
RYB	87, 255, 202
Decimal	9240407
CIELab	90.68, -60.83, 67.49
CIELCh	91, 90.864, 132.029
Yxy	77.7836, 0.3273, 0.5271
Android (android.graphics.Color)	4287430487 (0xFF8CFF57)
YUV	201.4630, -56.4303, -53.9031
Hunter-Lab	88.1950, -56.5871, 47.2923

Details

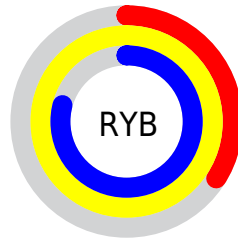
The Yxy color **77.7836, 0.3273, 0.5271** is a light color, and the websafe version is hex **99FF66**. The color can be described as light muted chartreuse. A complement of this color would be **26.5921, 0.2699, 0.1567**, and the grayscale version is **59.0815, 0.3127, 0.3290**.

A 20% lighter version of the original color is **85.8130, 0.3401, 0.4517**, and **41.6027, 0.3213, 0.5754** is the 20% darker color. If you saturate the color by 10%, you get **76.0423, 0.3251, 0.5527**, and if you desaturate by 10%, it is **79.9178, 0.3279, 0.4971**.

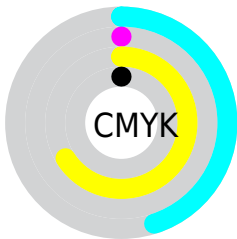
Distribution



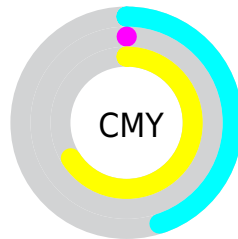
- Red (55%)
- Green (100%)
- Blue (34%)



- Red (34%)
- Yellow (100%)
- Blue (79%)



- Cyan (45%)
- Magenta (0%)
- Yellow (66%)
- Black (0%)





- Cyan (45%)
- Magenta (0%)
- Yellow (66%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 77.7836, 0.3273, 0.5271 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 77.7836, 0.3273, 0.5271 by changing the saturation by 10% instead.


 77.7836, 0.3273,
0.5271

 77.7836, 0.3273,
0.5271


487.4316, 0.3277,
0.4311


 57.8962, 0.3250,
0.5490

 130.2450, 0.3291,
0.4936

 41.7252, 0.3210,
0.5756

 163.5879, 0.3294,
0.4805

 28.8862, 0.3141,
0.6083


 202.1847, 0.3293,
0.4693

 18.9947, 0.3019,
0.6484

 246.4198, 0.3291,
0.4596

 11.6665, 0.2838,
0.7050

296.6776, 0.3288,
0.4511

 6.5170, 0.2440,
0.7560


353.3426, 0.3285,


 3.1619, 0.1794,


0.4437


0.8206


416.7992, 0.3281,
0.4370


 1.2168, 0.0000,
1.0000


 0.0754, 0.0000,
1.0000


 77.7836, 0.3273,
0.5271


 77.7836, 0.3273,
0.5271


 76.0423, 0.3251,
0.5527


 79.9178, 0.3279,
0.4971

 74.6583, 0.3213,
0.5723

 82.4615, 0.3270,
0.4649

 73.6018, 0.3164,
0.5850

 85.4395, 0.3250,
0.4322

 73.2464, 0.3143,
0.5886

 88.8723, 0.3221,
0.4005

 92.7792, 0.3187,
0.3709

 97.1779, 0.3150,
0.3437

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.



77.7836, 0.4214, 0.5030



77.7836, 0.3273, 0.5271



77.7836, 0.2343, 0.4604

Triad

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



77.7836, 0.3273, 0.5271



77.7836, 0.1500, 0.1907



77.7836, 0.4749, 0.2940

Complementary

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



77.7836, 0.3273, 0.5271



26.5921, 0.2699, 0.1567

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.



77.7836, 0.3741, 0.2347



77.7836, 0.3273, 0.5271



77.7836, 0.1907, 0.1778

Square

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



77.7836, 0.3273, 0.5271



77.7836, 0.1420, 0.2406



77.7836, 0.2674, 0.1938



77.7836, 0.5194, 0.3623

Rectangle

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



77.7836, 0.3273, 0.5271



77.7836, 0.1862, 0.3790



77.7836, 0.2674, 0.1938



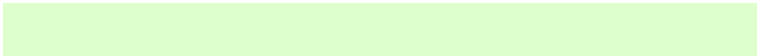
77.7836, 0.4453, 0.2729

Sweetspot

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



77.7863, 0.3273, 0.5271



91.1102, 0.3202, 0.3828



64.0971, 0.4382, 0.4386



19.2679, 0.3211, 0.3912



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.



77.7863, 0.3273, 0.5271



75.5730, 0.3241, 0.5596



74.8502, 0.2921, 0.5090



20.4462, 0.3163, 0.3532



38.3426, 0.3154, 0.5878



3.7886, 0.3237, 0.5812

Inverse Universe

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



26.5921, 0.2699, 0.1567



20.9477, 0.2585, 0.1323



33.4709, 0.3509, 0.2020



17.9961, 0.3087, 0.3052



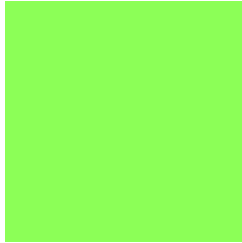
8.5892, 0.2424, 0.1109



0.8946, 0.2515, 0.1159

Previews

White Background



This preview shows how the Yxy color 77.7836, 0.3273, 0.5271 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 77.7836, 0.3273, 0.5271 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

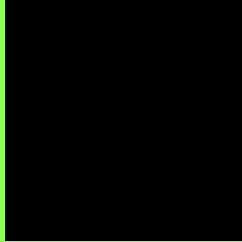
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

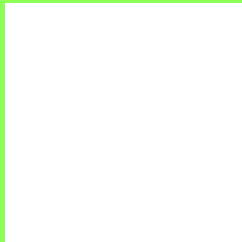
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 77.7836, 0.3273, 0.5271

Background



This preview shows how black text looks on a background with the Yxy color 77.7836, 0.3273, 0.5271.



This preview shows how white text looks on a background with the Yxy color 77.7836, 0.3273, 0.5271.

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

77.7836, 0.3273, 0.5271

Protanopia

76.5735, 0.4232, 0.4646

Deuteranopia

76.2276, 0.3672, 0.3721



Tritanopia

76.9023, 0.2652, 0.3090

Trichromacy



Original Color

77.7836, 0.3273, 0.5271



Protanomaly

75.3237, 0.3848, 0.4892



Deuteranomaly

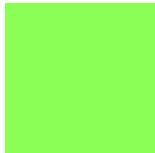
74.4993, 0.3538, 0.4267



Tritanomaly

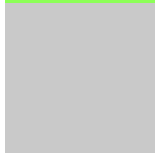
76.2778, 0.2907, 0.3891

Monochromacy



Original Color

77.7836, 0.3273, 0.5271



Achromatopsia

58.4078, 0.3127, 0.3290



Achromatomaly

63.8347, 0.3224, 0.4052

CSS Examples

Text

The CSS property to change the color of the text to Yxy 77.7836, 0.3273, 0.5271 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(140, 255, 87)` looks like.

```
.text, #text, p{  
    color:rgb(140, 255, 87)  
}
```

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(140, 255, 87) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(140, 255, 87) }
```

Border

The CSS property to change the border of an element to Yxy 77.7836, 0.3273, 0.5271 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(140, 255, 87) }
```

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

```
.border{ border-color:rgb(140, 255, 87) }
```

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

Here you see how a box with a 4 pixel `rgb(140, 255, 87)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(140, 255, 87); -webkit-box-  
shadow:4px 4px 4px 4px rgb(140, 255, 87);  
box-shadow:4px 4px 4px 4px rgb(140, 255,  
87) }
```


Background

The CSS property to change the background color of an element to Yxy 77.7836, 0.3273, 0.5271 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(140, 255, 87) }
```

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

```
.background{ background-color: rgb(140,  
255, 87) }
```

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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