

Converting Colors

Yxy(77.9465, 0.3213, 0.5136)

Have a look what the booklet for
Yxy(77.9465, 0.3213, 0.5136)
contains.

Yxy(77.9683, 0.3215, 0.5136)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(77.9683, 0.3215, 0.5136)

Conversions

Conversions Part 1

Format	Color
Hex	8BFF66
RGB	139, 255, 102
RGB Percent	55%, 100%, 40%
CMY	0.4548, 0.0000, 0.6002
CMYK	0.45, 0.00, 0.60, 0.00
HSL	105°, 100%, 70%
HSV	105°, 60%, 100%
XYZ	48.8061, 77.9683, 25.0330
YIQ	202.8740, -20.0230, -72.1750

Conversions

Conversions Part 2

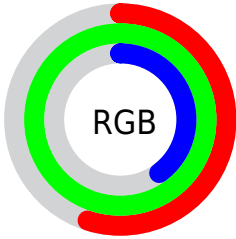
Format	Color
RYB	102, 255, 218
Decimal	9174886
CIELab	90.77, -59.81, 61.56
CIElCh	91, 85.826, 134.174
Yxy	77.9683, 0.3215, 0.5136
Android (android.graphics.Color)	4287364966 (0xFF8BFF66)
YUV	202.8740, -49.7309, -56.0175
Hunter-Lab	88.2997, -55.8617, 45.0010

Details

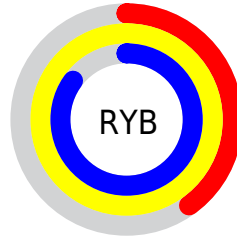
The Yxy color **77.9683, 0.3215, 0.5136** is a light color, and the websafe version is hex **99FF66**. A complement of this color would be **31.6072, 0.2851, 0.1744**, and the grayscale version is **59.9652, 0.3127, 0.3290**.

A 20% lighter version of the original color is **86.1307, 0.3322, 0.4369**, and **41.6997, 0.3155, 0.5598** is the 20% darker color. If you saturate the color by 10%, you get **76.0195, 0.3198, 0.5429**, and if you desaturate by 10%, it is **80.3681, 0.3220, 0.4811**.

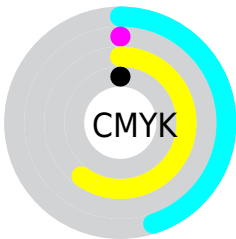
Distribution



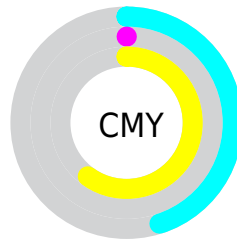
- Red (55%)
- Green (100%)
- Blue (40%)



- Red (40%)
- Yellow (100%)
- Blue (85%)



- Cyan (45%)
- Magenta (0%)
- Yellow (60%)
- Black (0%)




- Cyan (45%)
- Magenta (0%)
- Yellow (60%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 77.9683, 0.3215, 0.5136 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 77.9683, 0.3215, 0.5136 by changing the saturation by 10% instead.

 77.9683, 0.3215,
0.5136


 77.9683, 0.3215,
0.5136


488.0592, 0.3234,
0.4237

 58.0479, 0.3193,
0.5345

 130.5054, 0.3235,
0.4819


 41.8472, 0.3156,
0.5601


 163.8910, 0.3239,
0.4697

 28.9817, 0.3094,
0.5920


 202.5337, 0.3240,
0.4593

 19.0669, 0.2986,
0.6320

 246.8181, 0.3240,
0.4502

 11.7187, 0.2804,
0.6840

297.1284, 0.3239,
0.4423

 6.5524, 0.2485,
0.7515


353.8491, 0.3238,


 3.1838, 0.1855,


0.4353


0.8145


417.3645, 0.3236,
0.4292


 1.2284, 0.0000,
1.0000


 0.0847, 0.0000,
1.0000


 77.9683, 0.3215,
0.5136

 77.9683, 0.3215,
0.5136


 76.0195, 0.3198,
0.5429


 80.3681, 0.3220,
0.4811


 74.4893, 0.3169,
0.5667


 83.2439, 0.3213,
0.4474

 73.3437, 0.3129,
0.5834

 86.6216, 0.3199,
0.4144

 72.5366, 0.3086,
0.5932

 90.5241, 0.3178,
0.3833

 94.9733, 0.3154,
0.3547

99.9894, 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.



77.9683, 0.4120, 0.4987



77.9683, 0.3215, 0.5136



77.9683, 0.2335, 0.4446

Triad

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



77.9683, 0.3215, 0.5136



77.9683, 0.1587, 0.1952



77.9683, 0.4711, 0.3010

Complementary

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



77.9683, 0.3215, 0.5136



31.6072, 0.2851, 0.1744

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.



77.9683, 0.3786, 0.2428



77.9683, 0.3215, 0.5136



77.9683, 0.2005, 0.1845

Square

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



77.9683, 0.3215, 0.5136



77.9683, 0.1489, 0.2410



77.9683, 0.2766, 0.2017



77.9683, 0.5092, 0.3676

Rectangle

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



77.9683, 0.3215, 0.5136



77.9683, 0.1887, 0.3682



77.9683, 0.2766, 0.2017



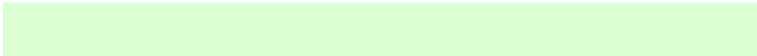
77.9683, 0.4445, 0.2803

Sweetspot

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



77.9691, 0.3215, 0.5136



91.3780, 0.3173, 0.3773



71.7087, 0.4198, 0.4402



19.2969, 0.3180, 0.3859



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.



77.9691, 0.3215, 0.5136



75.6843, 0.3193, 0.5481



76.2415, 0.2885, 0.4783



20.3805, 0.3152, 0.3533



37.9591, 0.3095, 0.5925



3.7440, 0.3170, 0.5865

Inverse Universe

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



31.6072, 0.2851, 0.1744



25.5569, 0.2773, 0.1506



35.7489, 0.3576, 0.2186



18.0657, 0.3099, 0.3053



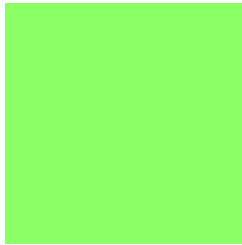
9.7856, 0.2601, 0.1207



1.0032, 0.2674, 0.1246

Previews

White Background



This preview shows how the Yxy color 77.9683, 0.3215, 0.5136 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 77.9683, 0.3215, 0.5136 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

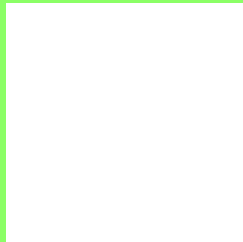
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 77.9683, 0.3215, 0.5136

Background



This preview shows how black text looks on a background with the Yxy color 77.9683, 0.3215, 0.5136.

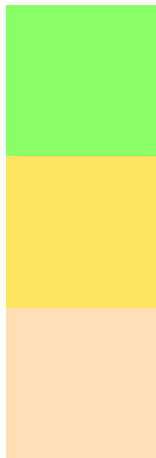


This preview shows how white text looks on a background with the Yxy color 77.9683, 0.3215, 0.5136.

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

77.9683, 0.3215, 0.5136

Protanopia

76.6290, 0.4159, 0.4553

Deuteranopia

76.8387, 0.3655, 0.3710



Tritanopia

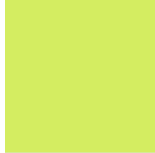
77.4830, 0.2654, 0.3101

Trichromacy



Original Color

77.9683, 0.3215, 0.5136



Protanomaly

75.4285, 0.3778, 0.4782



Deuteranomaly

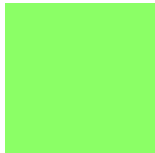
75.2588, 0.3499, 0.4211



Tritanomaly

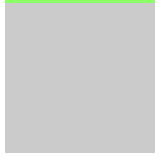
76.5063, 0.2880, 0.3829

Monochromacy



Original Color

77.9683, 0.3215, 0.5136



Achromatopsia

59.7202, 0.3127, 0.3290



Achromatomaly

64.6990, 0.3192, 0.3985

CSS Examples

Text

The CSS property to change the color of the text to Yxy 77.9683, 0.3215, 0.5136 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(139, 255, 102)` looks like.

```
.text, #text, p{  
    color:rgb(139, 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(139, 255, 102) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(139, 255, 102) }
```

Border

The CSS property to change the border of an element to Yxy 77.9683, 0.3215, 0.5136 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(139, 255, 102) }
```

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

```
.border{ border-color:rgb(139, 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(139, 255, 102)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(139, 255, 102); -webkit-box-  
shadow:4px 4px 4px 4px rgb(139, 255, 102);  
box-shadow:4px 4px 4px 4px rgb(139, 255,  
102) }
```


Background

The CSS property to change the background color of an element to Yxy 77.9683, 0.3215, 0.5136 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(139, 255, 102) }
```

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

```
.background{ background-color: rgb(139,  
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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