

Converting Colors

$Yxy(75.2502, 0.2635, 0.4448)$

Have a look what the booklet for
Yxy(75.2502, 0.2635, 0.4448)
contains.

Yxy(75.2467, 0.2637, 0.4451)	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(75.2467, 0.2637, 0.4451)

Conversions

Conversions Part 1

Format	Color
Hex	3AFFA8
RGB	58, 255, 168
RGB Percent	23%, 100%, 66%
CMY	0.7720, 0.0000, 0.3411
CMYK	0.77, 0.00, 0.34, 0.00
HSL	153°, 100%, 61%
HSV	153°, 77%, 100%
XYZ	44.5800, 75.2467, 49.2290
YIQ	186.1790, -89.4850, -68.8210

Conversions

Conversions Part 2

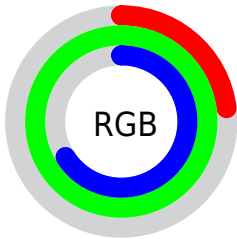
Format	Color
RYB	58, 184, 255
Decimal	3866536
CIELab	89.51, -66.30, 28.41
CIELCh	90, 72.126, 156.805
Yxy	75.2467, 0.2637, 0.4451
Android (android.graphics.Color)	4282056616 (0xFF3AFFA8)
YUV	186.1790, -8.9622, -112.4130
Hunter-Lab	86.7449, -60.0686, 27.0734

Details

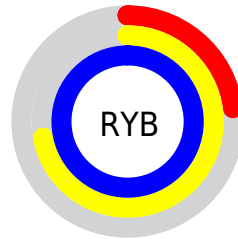
The Yxy color **75.2467, 0.2637, 0.4451** is a light color, and the websafe version is hex **33FF99**. The color can be described as light washed spring green. A complement of this color would be **26.3478, 0.4620, 0.2543**, and the grayscale version is **49.3220, 0.3127, 0.3290**.

A 20% lighter version of the original color is **81.9702, 0.2633, 0.3655**, and **41.1703, 0.2645, 0.4722** is the 20% darker color. If you saturate the color by 10%, you get **74.2614, 0.2643, 0.4624**, and if you desaturate by 10%, it is **76.6526, 0.2652, 0.4275**.

Distribution



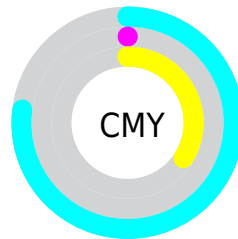
- Red (23%)
- Green (100%)
- Blue (66%)



- Red (23%)
- Yellow (72%)
- Blue (100%)



- Cyan (77%)
- Magenta (0%)
- Yellow (34%)
- Black (0%)




- Cyan (77%)
- Magenta (0%)
- Yellow (34%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 75.2467, 0.2637, 0.4451 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 75.2467, 0.2637, 0.4451 by changing the saturation by 10% instead.


 75.2467, 0.2637,
0.4451


 75.2467, 0.2637,
0.4451


478.7651, 0.2882,
0.3877

 55.8150, 0.2577,
0.4591


 126.6615, 0.2725,
0.4245


 40.0546, 0.2500,
0.4768


 159.4134, 0.2759,
0.4166

 27.5811, 0.2399,
0.4999


 197.3742, 0.2787,
0.4100

 18.0102, 0.2262,
0.5312

 240.9283, 0.2811,
0.4043

 10.9573, 0.2066,
0.5755

290.4600, 0.2833,
0.3993

 6.0381, 0.1770,
0.6417


346.3538, 0.2851,

 2.8683, 0.1184,


0.3950

0.7820


408.9940, 0.2867,
0.3911

 1.0634, 0.0000,
1.0000


 0.0000, 0.0000,
0.0000


 75.2467, 0.2637,
0.4451


 75.2467, 0.2637,
0.4451


 74.2614, 0.2643,
0.4624


 76.6526, 0.2652,
0.4275


 73.6235, 0.2668,
0.4791


 78.5201, 0.2687,
0.4102

 73.4810, 0.2677,
0.4837

 80.8949, 0.2739,
0.3934

 83.8145, 0.2806,
0.3775

 87.3130, 0.2884,
0.3627

 91.4215, 0.2970,
0.3492

 96.1688, 0.3060,
0.3370

99.9980, 0.3127,
0.3290

Harmonies

Analogous

The Analogous color harmony consists of three colors that are next to each other on the color wheel.



75.2467, 0.3435, 0.4876



75.2467, 0.2637, 0.4451



75.2467, 0.2017, 0.3549

Triad

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



75.2467, 0.2637, 0.4451



75.2467, 0.2029, 0.2019



75.2467, 0.4785, 0.3517

Complementary

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



75.2467, 0.2637, 0.4451



26.3478, 0.4620, 0.2543

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.



75.2467, 0.4314, 0.2927



75.2467, 0.2637, 0.4451



75.2467, 0.2634, 0.2111

Square

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



75.2467, 0.2637, 0.4451



75.2467, 0.1722, 0.2198



75.2467, 0.3476, 0.2432



75.2467, 0.4712, 0.4133

Rectangle

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



75.2467, 0.2637, 0.4451



75.2467, 0.1776, 0.2954



75.2467, 0.3476, 0.2432



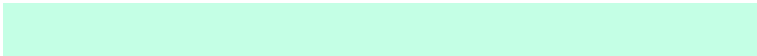
75.2467, 0.4687, 0.3315

Sweetspot

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



75.2497, 0.2637, 0.4451



88.9647, 0.2919, 0.3569



78.0027, 0.3392, 0.5453



18.7370, 0.2889, 0.3619



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.



75.2497, 0.2637, 0.4451



73.8563, 0.2655, 0.4722



73.5217, 0.2262, 0.3168



20.3380, 0.3039, 0.3397



38.4270, 0.2670, 0.4810



3.7635, 0.2617, 0.4621

Inverse Universe

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



26.3478, 0.4620, 0.2543



23.1086, 0.5067, 0.2602



25.6987, 0.5766, 0.3362



18.1204, 0.3225, 0.3185



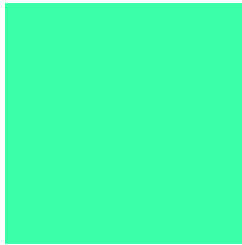
11.7568, 0.5211, 0.2644



1.1663, 0.4926, 0.2488

Previews

White Background



This preview shows how the Yxy color 75.2467, 0.2637, 0.4451 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 75.2467, 0.2637, 0.4451 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

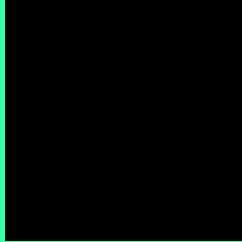
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 75.2467, 0.2637, 0.4451

Background



This preview shows how black text looks on a background with the Yxy color 75.2467, 0.2637, 0.4451.

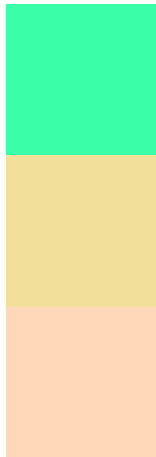


This preview shows how white text looks on a background with the Yxy color 75.2467, 0.2637, 0.4451.

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

75.2467, 0.2637, 0.4451

Protanopia

73.8092, 0.3732, 0.4022

Deuteranopia

73.3637, 0.3646, 0.3600



Tritanopia

74.5285, 0.2488, 0.3104

Trichromacy



Original Color

75.2467, 0.2637, 0.4451



Protanomaly

71.0338, 0.3186, 0.4219



Deuteranomaly

69.9156, 0.3125, 0.3904



Tritanomaly

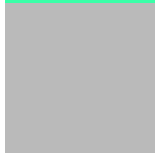
73.9475, 0.2523, 0.3561

Monochromacy



Original Color

75.2467, 0.2637, 0.4451



Achromatopsia

49.1021, 0.3127, 0.3290



Achromatomaly

55.4187, 0.2839, 0.3725

CSS Examples

Text

The CSS property to change the color of the text to Yxy 75.2467, 0.2637, 0.4451 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(58, 255, 168)` looks like.

```
.text, #text, p{  
    color:rgb(58, 255, 168)  
}
```

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(58, 255, 168) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(58, 255, 168) }
```

Border

The CSS property to change the border of an element to Yxy 75.2467, 0.2637, 0.4451 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(58, 255, 168) }
```

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

```
.border{ border-color:rgb(58, 255, 168) }
```

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

Here you see how a box with a 4 pixel rgb(58, 255, 168) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(58, 255, 168); -webkit-box-  
shadow:4px 4px 4px 4px rgb(58, 255, 168);  
box-shadow:4px 4px 4px 4px rgb(58, 255,  
168) }
```


Background

The CSS property to change the background color of an element to Yxy 75.2467, 0.2637, 0.4451 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(58, 255, 168) }
```

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

```
.background{ background-color: rgb(58, 255,  
168) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor