

Converting Colors

$Y_{xy}(75.7653, 0.2732, 0.4560)$

Have a look what the booklet for
Yxy(75.7653, 0.2732, 0.4560)
contains.

Yxy(75.7725, 0.2732, 0.4559)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(75.7725, 0.2732, 0.4559)

Conversions

Conversions Part 1

Format	Color
Hex	51FF9F
RGB	81, 255, 159
RGB Percent	32%, 100%, 62%
CMY	0.6825, 0.0000, 0.3765
CMYK	0.68, 0.00, 0.38, 0.00
HSL	147°, 100%, 66%
HSV	147°, 68%, 100%
XYZ	45.4070, 75.7725, 45.0247
YIQ	192.0300, -72.8880, -66.7440

Conversions

Conversions Part 2

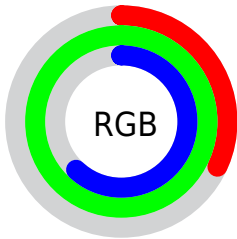
Format	Color
RYB	81, 201, 255
Decimal	5373855
CIELab	89.75, -64.97, 33.33
CIELCh	90, 73.017, 152.839
Yxy	75.7725, 0.2732, 0.4559
Android (android.graphics.Color)	4283563935 (0xFF51FF9F)
YUV	192.0300, -16.2838, -97.3733
Hunter-Lab	87.0474, -59.2211, 30.2658

Details

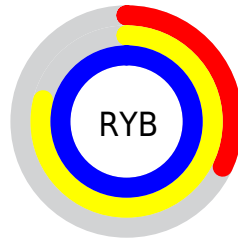
The Yxy color **75.7725, 0.2732, 0.4559** is a light color, and the websafe version is hex **66FF99**. The color can be described as light muted spring green. A complement of this color would be **30.3115, 0.4100, 0.2385**, and the grayscale version is **52.8498, 0.3127, 0.3290**.

A 20% lighter version of the original color is **82.6709, 0.2742, 0.3772**, and **40.9940, 0.2685, 0.4866** is the 20% darker color. If you saturate the color by 10%, you get **74.3869, 0.2727, 0.4777**, and if you desaturate by 10%, it is **77.6313, 0.2756, 0.4340**.

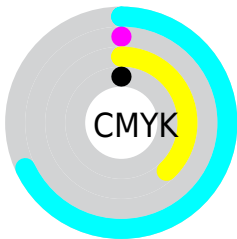
Distribution



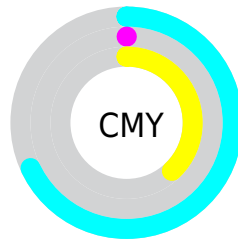
- Red (32%)
- Green (100%)
- Blue (62%)



- Red (32%)
- Yellow (79%)
- Blue (100%)



- Cyan (68%)
- Magenta (0%)
- Yellow (38%)
- Black (0%)




- Cyan (68%)
- Magenta (0%)
- Yellow (38%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 75.7725, 0.2732, 0.4559 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 75.7725, 0.2732, 0.4559 by changing the saturation by 10% instead.


 75.7725, 0.2732,
0.4559


 75.7725, 0.2732,
0.4559

480.5686, 0.2937,
0.3930

 56.2460, 0.2679,
0.4712


 127.4053, 0.2808,
0.4333


 40.4002, 0.2611,
0.4906


 160.2803, 0.2836,
0.4247

 27.8507, 0.2520,
0.5159


 198.3736, 0.2860,
0.4174

 18.2131, 0.2394,
0.5499

 242.0697, 0.2880,
0.4112

 11.1031, 0.2207,
0.5978

291.7528, 0.2897,
0.4057

 6.1362, 0.1915,
0.6683


347.8074, 0.2912,

 2.9281, 0.1419,

0.4010

0.8435

410.6178, 0.2926,
0.3968


 1.0943, 0.0000,
1.0000


 0.0000, 0.0000,
0.0000


 75.7725, 0.2732,
0.4559


 75.7725, 0.2732,
0.4559


 74.3869, 0.2727,
0.4777

 77.6313, 0.2756,
0.4340


 73.4299, 0.2742,
0.4986


 80.0149, 0.2797,
0.4126

 72.8280, 0.2775,
0.5180

 82.9599, 0.2852,
0.3923

 72.7423, 0.2781,
0.5212

 86.5013, 0.2917,
0.3734

 90.6712, 0.2988,
0.3561

 95.4996, 0.3064,
0.3406

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.



75.7725, 0.3544, 0.4898



75.7725, 0.2732, 0.4559



75.7725, 0.2073, 0.3679

Triad

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



75.7725, 0.2732, 0.4559



75.7725, 0.1962, 0.2016



75.7725, 0.4770, 0.3436

Complementary

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



75.7725, 0.2732, 0.4559



30.3115, 0.4100, 0.2385

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.



75.7725, 0.4228, 0.2850



75.7725, 0.2732, 0.4559



75.7725, 0.2532, 0.2075

Square

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



75.7725, 0.2732, 0.4559



75.7725, 0.1692, 0.2235



75.7725, 0.3360, 0.2370



75.7725, 0.4765, 0.4057

Rectangle

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



75.7725, 0.2732, 0.4559



75.7725, 0.1801, 0.3060



75.7725, 0.3360, 0.2370



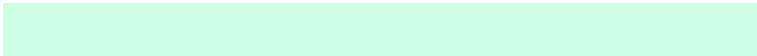
75.7725, 0.4645, 0.3234

Sweetspot

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



75.7700, 0.2732, 0.4559



89.8959, 0.2976, 0.3590



81.7665, 0.3535, 0.5164



18.9834, 0.2955, 0.3638



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.



75.7700, 0.2732, 0.4559



73.9815, 0.2730, 0.4857



79.7625, 0.2380, 0.3427



20.3035, 0.3054, 0.3424



38.0385, 0.2773, 0.5181



3.7253, 0.2712, 0.4962

Inverse Universe

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



30.3115, 0.4100, 0.2385



25.7884, 0.4396, 0.2329



27.9208, 0.5287, 0.3199



18.1548, 0.3207, 0.3160



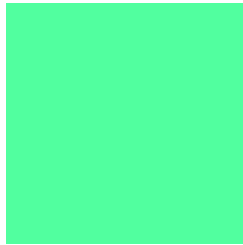
12.1392, 0.4745, 0.2388



1.2040, 0.4521, 0.2264

Previews

White Background



This preview shows how the Yxy color 75.7725, 0.2732, 0.4559 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 75.7725, 0.2732, 0.4559 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

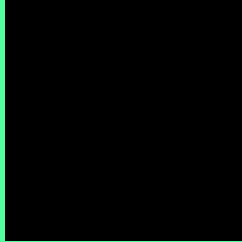
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 75.7725, 0.2732, 0.4559

Background



This preview shows how black text looks on a background with the Yxy color 75.7725, 0.2732, 0.4559.

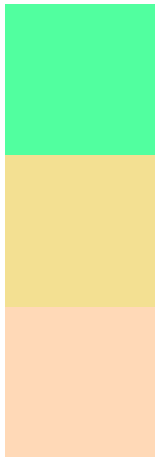


This preview shows how white text looks on a background with the Yxy color 75.7725, 0.2732, 0.4559.

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

75.7725, 0.2732, 0.4559

Protanopia

74.4413, 0.3798, 0.4109

Deuteranopia

74.3046, 0.3655, 0.3640



Tritanopia

75.1560, 0.2518, 0.3106

Trichromacy



Original Color

75.7725, 0.2732, 0.4559



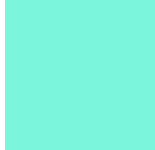
Protanomaly

71.8414, 0.3294, 0.4298



Deuteranomaly

71.4143, 0.3217, 0.3964



Tritanomaly

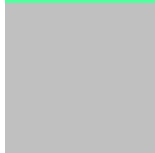
74.6831, 0.2587, 0.3595

Monochromacy



Original Color

75.7725, 0.2732, 0.4559



Achromatopsia

52.7115, 0.3127, 0.3290



Achromatomaly

58.5716, 0.2913, 0.3751

CSS Examples

Text

The CSS property to change the color of the text to Yxy 75.7725, 0.2732, 0.4559 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(81, 255, 159)` looks like.

```
.text, #text, p{  
    color:rgb(81, 255, 159)  
}
```

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(81, 255, 159) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(81, 255, 159) }
```

Border

The CSS property to change the border of an element to Yxy 75.7725, 0.2732, 0.4559 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(81, 255, 159) }
```

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

```
.border{ border-color:rgb(81, 255, 159) }
```

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

Here you see how a box with a 4 pixel `rgb(81, 255, 159)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(81, 255, 159); -webkit-box-  
shadow:4px 4px 4px 4px rgb(81, 255, 159);  
box-shadow:4px 4px 4px 4px rgb(81, 255,  
159) }
```


Background

The CSS property to change the background color of an element to Yxy 75.7725, 0.2732, 0.4559 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(81, 255, 159) }
```

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

```
.background{ background-color: rgb(81, 255,  
159) }
```

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