

Converting Colors

$Yxy(77.6685, 0.2881, 0.4566)$

Have a look what the booklet for
Yxy(77.6685, 0.2881, 0.4566)
contains.

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Color

Yxy(77.6685, 0.2881, 0.4566)

Conversions

Conversions Part 1

Format	Color
Hex	75FF9B
RGB	117, 255, 155
RGB Percent	46%, 100%, 61%
CMY	0.5415, 0.0000, 0.3921
CMYK	0.54, 0.00, 0.39, 0.00
HSL	137°, 100%, 73%
HSV	137°, 54%, 100%
XYZ	49.0063, 77.6685, 43.4270
YIQ	202.3380, -50.1480, -60.3560

Conversions

Conversions Part 2

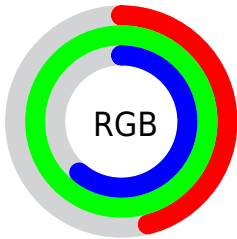
Format	Color
RYB	117, 225, 255
Decimal	7733147
CIELab	90.63, -58.67, 36.62
CIElCh	91, 69.162, 148.026
Yxy	77.6685, 0.2881, 0.4566
Android (android.graphics.Color)	4285923227 (0xFF75FF9B)
YUV	202.3380, -23.3376, -74.8414
Hunter-Lab	88.1297, -54.9685, 32.4749

Details

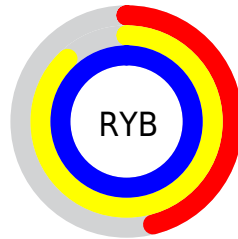
The Yxy color **77.6685, 0.2881, 0.4566** is a light color, and the websafe version is hex **66FF99**. A complement of this color would be **38.9706, 0.3556, 0.2306**, and the grayscale version is **59.4435, 0.3127, 0.3290**.

A 20% lighter version of the original color is **85.5203, 0.2911, 0.3800**, and **41.5647, 0.2791, 0.4898** is the 20% darker color. If you saturate the color by 10%, you get **75.5594, 0.2861, 0.4847**, and if you desaturate by 10%, it is **80.3446, 0.2913, 0.4289**.

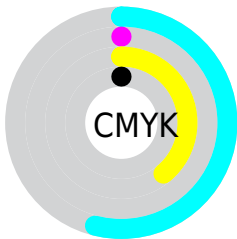
Distribution



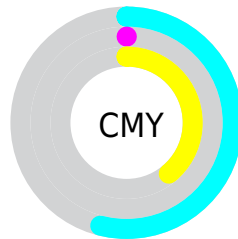
- Red (46%)
- Green (100%)
- Blue (61%)



- Red (46%)
- Yellow (88%)
- Blue (100%)



- Cyan (54%)
- Magenta (0%)
- Yellow (39%)
- Black (0%)




- Cyan (54%)
- Magenta (0%)
- Yellow (39%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 77.6685, 0.2881, 0.4566 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 77.6685, 0.2881, 0.4566 by changing the saturation by 10% instead.


 77.6685, 0.2881,
0.4566


 77.6685, 0.2881,
0.4566

487.0403, 0.3018,
0.3938

 57.8017, 0.2843,
0.4717


 130.0827, 0.2934,
0.4341

 41.6492, 0.2794,
0.4908


 163.3989, 0.2953,
0.4256

 28.8267, 0.2725,
0.5155


 201.9670, 0.2968,
0.4183

 18.9498, 0.2627,
0.5485

246.1715, 0.2982,
0.4121

 11.6340, 0.2477,
0.5944

296.3966, 0.2993,
0.4066

 6.4950, 0.2230,
0.6609


353.0269, 0.3003,


 3.1483, 0.1900,


0.4018


0.8100


416.4466, 0.3011,
0.3976


 1.2097, 0.0000,
1.0000


 0.0696, 0.0000,
1.0000


 77.6685, 0.2881,
0.4566


 77.6685, 0.2881,
0.4566


 75.5594, 0.2861,
0.4847


 80.3446, 0.2913,
0.4289


 73.9859, 0.2856,
0.5119

 83.6404, 0.2955,
0.4025

 72.8926, 0.2867,
0.5367

 87.5876, 0.3003,
0.3782

 72.2175, 0.2893,
0.5579

 92.2193, 0.3054,
0.3561

 71.9667, 0.2912,
0.5683

 97.5663, 0.3106,
0.3365

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.



77.6685, 0.3655, 0.4791



77.6685, 0.2881, 0.4566



77.6685, 0.2216, 0.3802

Triad

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



77.6685, 0.2881, 0.4566



77.6685, 0.1961, 0.2095



77.6685, 0.4622, 0.3345

Complementary

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



77.6685, 0.2881, 0.4566



38.9706, 0.3556, 0.2306

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.



77.6685, 0.4043, 0.2794



77.6685, 0.2881, 0.4566



77.6685, 0.2461, 0.2110

Square

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



77.6685, 0.2881, 0.4566



77.6685, 0.1747, 0.2358



77.6685, 0.3214, 0.2358



77.6685, 0.4710, 0.3937

Rectangle

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



77.6685, 0.2881, 0.4566



77.6685, 0.1921, 0.3212



77.6685, 0.3214, 0.2358



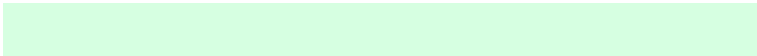
77.6685, 0.4477, 0.3154

Sweetspot

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



77.6642, 0.2881, 0.4566



91.3074, 0.3044, 0.3600



87.7359, 0.3656, 0.4721



19.3330, 0.3033, 0.3644



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.



77.6642, 0.2881, 0.4566



75.4049, 0.2860, 0.4871



80.6129, 0.2571, 0.3677



20.2505, 0.3078, 0.3467



37.6256, 0.2904, 0.5655



3.6810, 0.2844, 0.5437

Inverse Universe

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



38.9706, 0.3556, 0.2306



33.0633, 0.3676, 0.2156



36.1402, 0.4352, 0.2966



18.2098, 0.3181, 0.3119



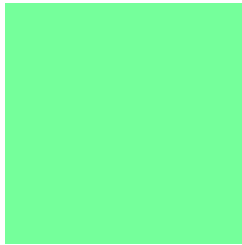
12.9579, 0.4059, 0.2010



1.2802, 0.3939, 0.1944

Previews

White Background



This preview shows how the Yxy color 77.6685, 0.2881, 0.4566 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 77.6685, 0.2881, 0.4566 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 77.6685, 0.2881, 0.4566

Background



This preview shows how black text looks on a background with the Yxy color 77.6685, 0.2881, 0.4566.

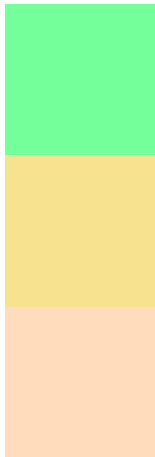


This preview shows how white text looks on a background with the Yxy color 77.6685, 0.2881, 0.4566.

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

77.6685, 0.2881, 0.4566

Protanopia

76.1805, 0.3833, 0.4137

Deuteranopia

76.0772, 0.3611, 0.3618



Tritanopia

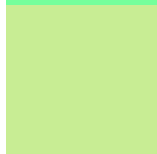
76.9523, 0.2604, 0.3110

Trichromacy



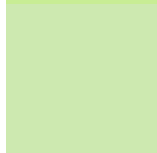
Original Color

77.6685, 0.2881, 0.4566



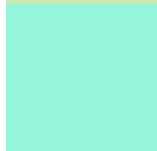
Protanomaly

74.9859, 0.3421, 0.4315



Deuteranomaly

74.3916, 0.3294, 0.3942



Tritanomaly

76.7152, 0.2705, 0.3599

Monochromacy



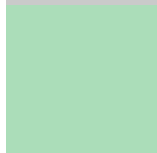
Original Color

77.6685, 0.2881, 0.4566



Achromatopsia

59.0619, 0.3127, 0.3290



Achromatomaly

63.8736, 0.3010, 0.3740

CSS Examples

Text

The CSS property to change the color of the text to Yxy 77.6685, 0.2881, 0.4566 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(117, 255, 155)` looks like.

```
.text, #text, p{  
    color:rgb(117, 255, 155)  
}
```

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(117, 255, 155) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(117, 255, 155) }
```

Border

The CSS property to change the border of an element to Yxy 77.6685, 0.2881, 0.4566 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(117, 255, 155) }
```

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

```
.border{ border-color:rgb(117, 255, 155) }
```

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

Here you see how a box with a 4 pixel `rgb(117, 255, 155)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(117, 255, 155); -webkit-box-  
shadow:4px 4px 4px 4px rgb(117, 255, 155);  
box-shadow:4px 4px 4px 4px rgb(117, 255,  
155) }
```


Background

The CSS property to change the background color of an element to Yxy 77.6685, 0.2881, 0.4566 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(117, 255, 155) }
```

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

```
.background{ background-color: rgb(117,  
255, 155) }
```

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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