

Converting Colors

$Y_{xy}(77.9750, 0.2940, 0.4632)$

Have a look what the booklet for
Yxy(77.9750, 0.2940, 0.4632)
contains.

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Color

Yxy(77.9750, 0.2940, 0.4632)

Conversions

Conversions Part 1

Format	Color
Hex	7CFF95
RGB	124, 255, 149
RGB Percent	49%, 100%, 58%
CMY	0.5139, 0.0000, 0.4157
CMYK	0.51, 0.00, 0.42, 0.00
HSL	131°, 100%, 74%
HSV	131°, 51%, 100%
XYZ	49.4919, 77.9750, 40.8729
YIQ	203.7470, -44.0500, -60.7380

Conversions

Conversions Part 2

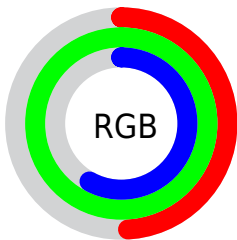
Format	Color
RYB	124, 234, 255
Decimal	8191893
CIELab	90.77, -57.95, 39.81
CIELCh	91, 70.309, 145.514
Yxy	77.9750, 0.2940, 0.4632
Android (android.graphics.Color)	4286381973 (0xFF7CFF95)
YUV	203.7470, -26.9903, -69.9381
Hunter-Lab	88.3035, -54.4862, 34.3689

Details

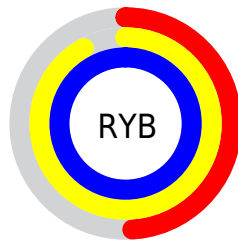
The Yxy color **77.9750, 0.2940, 0.4632** is a light color, and the websafe version is hex **66FF99**. A complement of this color would be **41.3760, 0.3416, 0.2253**, and the grayscale version is **60.4007, 0.3127, 0.3290**.

A 20% lighter version of the original color is **86.0700, 0.2982, 0.3864**, and **41.7562, 0.2861, 0.4980** is the 20% darker color. If you saturate the color by 10%, you get **75.7105, 0.2921, 0.4939**, and if you desaturate by 10%, it is **80.8408, 0.2968, 0.4327**.

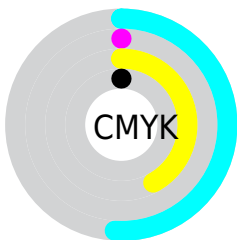
Distribution



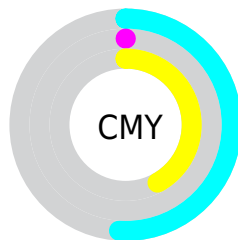
- Red (49%)
- Green (100%)
- Blue (58%)



- Red (49%)
- Yellow (92%)
- Blue (100%)



- Cyan (51%)
- Magenta (0%)
- Yellow (42%)
- Black (0%)




- Cyan (51%)
- Magenta (0%)
- Yellow (42%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 77.9750, 0.2940, 0.4632 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 77.9750, 0.2940, 0.4632 by changing the saturation by 10% instead.


 77.9750, 0.2940,
0.4632


 77.9750, 0.2940,
0.4632


488.0819, 0.3053,
0.3972

 58.0534, 0.2907,
0.4791


 130.5149, 0.2985,
0.4396

 41.8516, 0.2862,
0.4990


 163.9020, 0.3001,
0.4307

 28.9851, 0.2799,
0.5247


 202.5464, 0.3014,
0.4230

 19.0696, 0.2706,
0.5590

246.8325, 0.3024,
0.4164

 11.7206, 0.2561,
0.6061

297.1447, 0.3033,
0.4107

 6.5537, 0.2315,
0.6734

353.8675, 0.3041,

 3.1846, 0.1948,

0.4057

417.3850, 0.3048,
0.4012

0.8052

1.2288, 0.0000,
1.0000

0.0851, 0.0000,
1.0000

77.9750, 0.2940,
0.4632

77.9750, 0.2940,
0.4632

75.7105, 0.2921,
0.4939

80.8408, 0.2968,
0.4327

74.0120, 0.2913,
0.5233

84.3579, 0.3003,
0.4037


72.8252, 0.2918,
0.5494

88.5597, 0.3042,
0.3770

72.0892, 0.2935,
0.5705

93.4803, 0.3082,
0.3530

 71.7394, 0.2955,
0.5839

 99.1513, 0.3122,
0.3317

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.



77.9750, 0.3723, 0.4805



77.9750, 0.2940, 0.4632



77.9750, 0.2250, 0.3886

Triad

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



77.9750, 0.2940, 0.4632



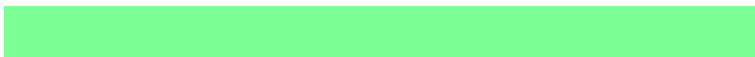
77.9750, 0.1917, 0.2091



77.9750, 0.4613, 0.3295

Complementary

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



77.9750, 0.2940, 0.4632



41.3760, 0.3416, 0.2253

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.



77.9750, 0.3991, 0.2745



77.9750, 0.2940, 0.4632



77.9750, 0.2398, 0.2084

Square

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



77.9750, 0.2940, 0.4632



77.9750, 0.1725, 0.2381



77.9750, 0.3144, 0.2317



77.9750, 0.4745, 0.3892

Rectangle

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



77.9750, 0.2940, 0.4632



77.9750, 0.1934, 0.3282



77.9750, 0.3144, 0.2317



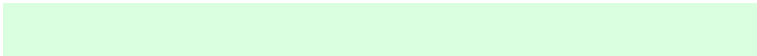
77.9750, 0.4452, 0.3103

Sweetspot

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



77.9718, 0.2940, 0.4632



91.6184, 0.3067, 0.3614



89.9591, 0.3712, 0.4615



19.3870, 0.3059, 0.3664



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.



77.9718, 0.2940, 0.4632



75.5910, 0.2920, 0.4958



80.6317, 0.2640, 0.3792



20.2249, 0.3089, 0.3488



37.5014, 0.2949, 0.5818



3.6656, 0.2896, 0.5627

Inverse Universe

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



41.3760, 0.3416, 0.2253



35.2159, 0.3494, 0.2083



38.3981, 0.4125, 0.2866



18.2373, 0.3167, 0.3100



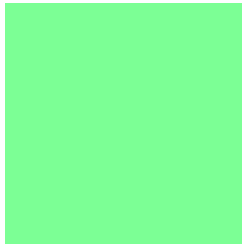
13.4656, 0.3762, 0.1846



1.3257, 0.3687, 0.1805

Previews

White Background



This preview shows how the Yxy color 77.9750, 0.2940, 0.4632 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 77.9750, 0.2940, 0.4632 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

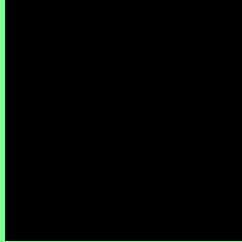
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 77.9750, 0.2940, 0.4632

Background



This preview shows how black text looks on a background with the Yxy color 77.9750, 0.2940, 0.4632.

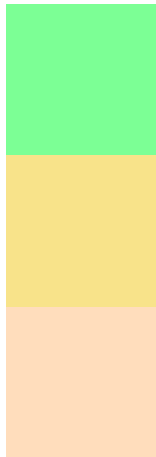


This preview shows how white text looks on a background with the Yxy color 77.9750, 0.2940, 0.4632.

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

77.9750, 0.2940, 0.4632

Protanopia

76.7296, 0.3875, 0.4202

Deuteranopia

76.6037, 0.3608, 0.3628



Tritanopia

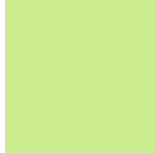
77.3880, 0.2624, 0.3111

Trichromacy



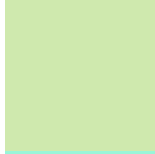
Original Color

77.9750, 0.2940, 0.4632



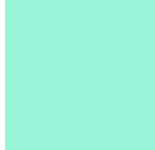
Protanomaly

75.2179, 0.3477, 0.4374



Deuteranomaly

74.5992, 0.3320, 0.3963



Tritanomaly

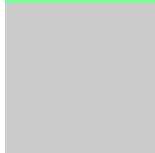
77.0350, 0.2745, 0.3634

Monochromacy



Original Color

77.9750, 0.2940, 0.4632



Achromatopsia

60.3827, 0.3127, 0.3290



Achromatomaly

65.3500, 0.3043, 0.3772

CSS Examples

Text

The CSS property to change the color of the text to Yxy 77.9750, 0.2940, 0.4632 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(124, 255, 149)` looks like.

```
.text, #text, p{  
    color:rgb(124, 255, 149)  
}
```

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(124, 255, 149) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(124, 255, 149) }
```

Border

The CSS property to change the border of an element to Yxy 77.9750, 0.2940, 0.4632 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(124, 255, 149) }
```

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

```
.border{ border-color:rgb(124, 255, 149) }
```

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

Here you see how a box with a 4 pixel `rgb(124, 255, 149)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(124, 255, 149); -webkit-box-  
shadow:4px 4px 4px 4px rgb(124, 255, 149);  
box-shadow:4px 4px 4px 4px rgb(124, 255,  
149) }
```


Background

The CSS property to change the background color of an element to Yxy 77.9750, 0.2940, 0.4632 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(124, 255, 149) }
```

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

```
.background{ background-color: rgb(124,  
255, 149) }
```

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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