

Converting Colors

$Y_{xy}(75.0630, 0.2985, 0.4546)$

Have a look what the booklet for
Yxy(75.0630, 0.2985, 0.4546)
contains.

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Color

Yxy(75.0217, 0.2983, 0.4547)

Conversions

Conversions Part 1

Format	Color
Hex	86F996
RGB	134, 249, 150
RGB Percent	53%, 98%, 59%
CMY	0.4744, 0.0235, 0.4116
CMYK	0.46, 0.00, 0.40, 0.02
HSL	128°, 91%, 75%
HSV	128°, 46%, 98%
XYZ	49.2170, 75.0217, 40.7529
YIQ	203.3290, -36.7610, -55.1690

Conversions

Conversions Part 2

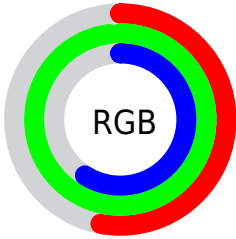
Format	Color
RYB	134, 235, 249
Decimal	8845718
CIELab	89.40, -52.81, 37.60
CIELCh	89, 64.830, 144.554
Yxy	75.0217, 0.2983, 0.4547
Android (android.graphics.Color)	4287035798 (0xFF86F996)
YUV	203.3290, -26.2912, -60.8015
Hunter-Lab	86.6151, -50.1479, 32.7342

Details

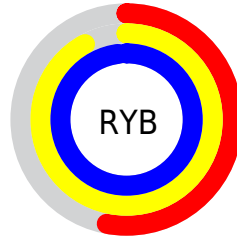
The Yxy color **75.0217, 0.2983, 0.4547** is a light color, and the websafe version is hex **99FF99**. A complement of this color would be **43.0800, 0.3323, 0.2298**, and the grayscale version is **60.1313, 0.3127, 0.3290**.

A 20% lighter version of the original color is **87.1342, 0.3024, 0.3845**, and **40.0370, 0.2914, 0.4886** is the 20% darker color. If you saturate the color by 10%, you get **72.5848, 0.2961, 0.4870**, and if you desaturate by 10%, it is **78.0727, 0.3011, 0.4231**.

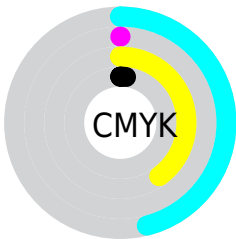
Distribution



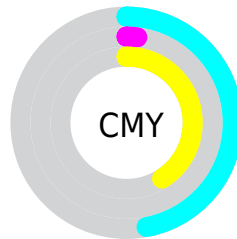
- Red (53%)
- Green (98%)
- Blue (59%)



- Red (53%)
- Yellow (92%)
- Blue (98%)



- Cyan (46%)
- Magenta (0%)
- Yellow (40%)
- Black (2%)





- Cyan (47%)
- Magenta (2%)
- Yellow (41%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 75.0217, 0.2983, 0.4547 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 75.0217, 0.2983, 0.4547 by changing the saturation by 10% instead.


 75.0217, 0.2983,
0.4547


 75.0217, 0.2983,
0.4547


477.9922, 0.3074,
0.3928


 55.6307, 0.2956,
0.4697


 126.3431, 0.3020,
0.4325

 39.9069, 0.2918,
0.4885


 159.0422, 0.3033,
0.4241

 27.4660, 0.2864,
0.5130


 196.9462, 0.3043,
0.4169

 17.9235, 0.2783,
0.5457

240.4394, 0.3051,
0.4107

 10.8951, 0.2654,
0.5911

289.9061, 0.3058,
0.4054

 5.9963, 0.2430,
0.6567


345.7309, 0.3064,


 2.8428, 0.2093,


0.4006


0.7907


408.2982, 0.3069,
0.3965

 1.0502, 0.0000,
1.0000


 0.0000, 0.0000,
0.0000


 75.0217, 0.2983,
0.4547


 75.0217, 0.2983,
0.4547


 72.5848, 0.2961,
0.4870


 78.0727, 0.3011,
0.4231


 70.7116, 0.2948,
0.5184

 81.7660, 0.3042,
0.3934

 69.3587, 0.2945,
0.5466

 86.1388, 0.3075,
0.3664

 68.4722, 0.2952,
0.5697

 91.2231, 0.3107,
0.3424

■ 67.9862, 0.2968,
0.5861

■ 96.2313, 0.3130,
0.3233

■ 67.8707, 0.2974,
0.5907

Harmonies

Analogous

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



75.0217, 0.3720, 0.4702



75.0217, 0.2983, 0.4547



75.0217, 0.2325, 0.3873

Triad

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



75.0217, 0.2983, 0.4547



75.0217, 0.1974, 0.2164



75.0217, 0.4504, 0.3286

Complementary

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



75.0217, 0.2983, 0.4547



43.0800, 0.3323, 0.2298

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.



75.0217, 0.3912, 0.2763



75.0217, 0.2983, 0.4547



75.0217, 0.2425, 0.2146

Square

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



75.0217, 0.2983, 0.4547



75.0217, 0.1800, 0.2454



75.0217, 0.3121, 0.2361



75.0217, 0.4649, 0.3853

Rectangle

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



75.0217, 0.2983, 0.4547



75.0217, 0.2017, 0.3314



75.0217, 0.3121, 0.2361



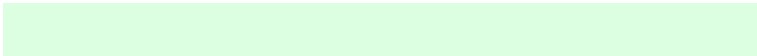
75.0217, 0.4348, 0.3103

Sweetspot

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



75.0248, 0.2983, 0.4547



92.0231, 0.3082, 0.3610



86.9099, 0.3703, 0.4469



19.4624, 0.3075, 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.



75.0248, 0.2983, 0.4547



76.8768, 0.2963, 0.4835



77.3191, 0.2704, 0.3804



19.3486, 0.3096, 0.3500



36.3420, 0.2969, 0.5889



3.3776, 0.2921, 0.5716

Inverse Universe

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



43.0800, 0.3323, 0.2298



39.4902, 0.3370, 0.2132



40.3390, 0.3910, 0.2844



17.4806, 0.3159, 0.3088



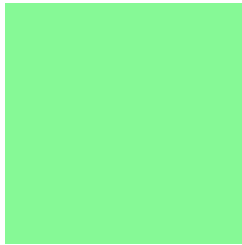
13.4045, 0.3596, 0.1755



1.2526, 0.3543, 0.1725

Previews

White Background



This preview shows how the Yxy color 75.0217, 0.2983, 0.4547 looks on a white background.

Color Contrast Check

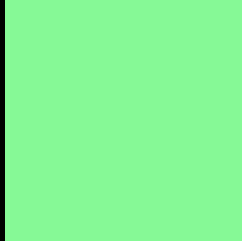
Large Text (above 18pt) WCAG AA × Fail

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 75.0217, 0.2983, 0.4547 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

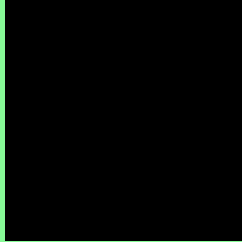
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 75.0217, 0.2983, 0.4547

Background



This preview shows how black text looks on a background with the Yxy color 75.0217, 0.2983, 0.4547.



This preview shows how white text looks on a background with the Yxy color 75.0217, 0.2983, 0.4547.

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

75.0217, 0.2983, 0.4547

Protanopia

73.7235, 0.3841, 0.4159

Deuteranopia

73.5861, 0.3694, 0.3682



Tritanopia

74.5818, 0.2569, 0.3074

Trichromacy



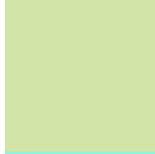
Original Color

75.0217, 0.2983, 0.4547



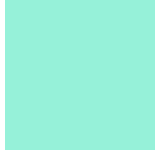
Protanomaly

72.4234, 0.3479, 0.4305



Deuteranomaly

72.1628, 0.3397, 0.3975



Tritanomaly

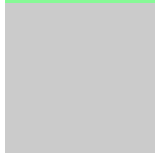
74.4044, 0.2719, 0.3577

Monochromacy



Original Color

75.0217, 0.2983, 0.4547



Achromatopsia

59.7202, 0.3127, 0.3290



Achromatomaly

64.1121, 0.3064, 0.3735

CSS Examples

Text

The CSS property to change the color of the text to Yxy 75.0217, 0.2983, 0.4547 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(134, 249, 150)` looks like.

```
.text, #text, p{  
    color:rgb(134, 249, 150)  
}
```

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(134, 249, 150) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(134, 249, 150) }
```

Border

The CSS property to change the border of an element to Yxy 75.0217, 0.2983, 0.4547 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(134, 249, 150) }
```

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

```
.border{ border-color:rgb(134, 249, 150) }
```

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

Here you see how a box with a 4 pixel `rgb(134, 249, 150)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(134, 249, 150); -webkit-box-  
shadow:4px 4px 4px 4px rgb(134, 249, 150);  
box-shadow:4px 4px 4px 4px rgb(134, 249,  
150) }
```


Background

The CSS property to change the background color of an element to Yxy 75.0217, 0.2983, 0.4547 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(134, 249, 150) }
```

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

```
.background{ background-color: rgb(134,  
249, 150) }
```

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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