

Converting Colors

Yxy(69.5767, 0.3149, 0.4728)

Have a look what the booklet for
Yxy(69.5767, 0.3149, 0.4728)
contains.

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Color

Yxy(69.7183, 0.3144, 0.4725)

Conversions

Conversions Part 1

Format	Color
Hex	8FF080
RGB	143, 240, 128
RGB Percent	56%, 94%, 50%
CMY	0.4391, 0.0588, 0.4979
CMYK	0.40, 0.00, 0.47, 0.06
HSL	112°, 79%, 72%
HSV	112°, 47%, 94%
XYZ	46.3903, 69.7183, 31.4433
YIQ	198.2290, -21.8600, -55.3960

Conversions

Conversions Part 2

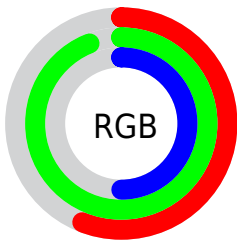
Format	Color
RYB	128, 240, 225
Decimal	9433216
CIELab	86.86, -49.69, 45.15
CIELCh	87, 67.132, 137.740
Yxy	69.7183, 0.3144, 0.4725
Android (android.graphics.Color)	4287623296 (0xFF8FF080)
YUV	198.2290, -34.6229, -48.4358
Hunter-Lab	83.4975, -46.9479, 36.1209

Details

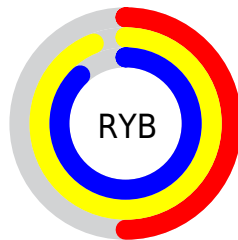
The Yxy color **69.7183, 0.3144, 0.4725** is a light color, and the websafe version is hex **99FF99**. A complement of this color would be **37.7431, 0.3043, 0.2107**, and the grayscale version is **56.8513, 0.3127, 0.3290**.

A 20% lighter version of the original color is **87.3149, 0.3204, 0.4097**, and **36.3672, 0.3103, 0.5112** is the 20% darker color. If you saturate the color by 10%, you get **67.4752, 0.3134, 0.5068**, and if you desaturate by 10%, it is **72.4604, 0.3148, 0.4378**.

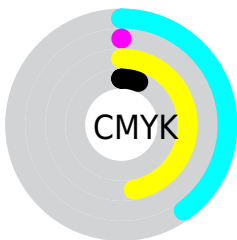
Distribution



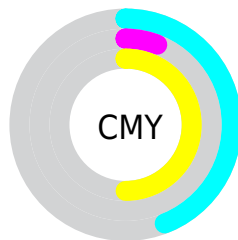
- Red (56%)
- Green (94%)
- Blue (50%)



- Red (50%)
- Yellow (94%)
- Blue (88%)



- Cyan (40%)
- Magenta (0%)
- Yellow (47%)
- Black (6%)





- Cyan (44%)
- Magenta (6%)
- Yellow (50%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 69.7183, 0.3144, 0.4725 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 69.7183, 0.3144, 0.4725 by changing the saturation by 10% instead.

 69.7183, 0.3144,
0.4725

 69.7183, 0.3144,
0.4725


459.5603, 0.3169,
0.4011


 51.2969, 0.3128,
0.4898


 118.8069, 0.3161,
0.4469

 36.4450, 0.3102,
0.5116


 150.2430, 0.3165,
0.4372

 24.7780, 0.3059,
0.5396


 186.7860, 0.3167,
0.4289

 15.9118, 0.2985,
0.5768

228.8205, 0.3169,
0.4218

 9.4617, 0.2850,
0.6272

276.7308, 0.3169,
0.4156

 5.0436, 0.2676,
0.7207


330.9012, 0.3170,

 2.2728, 0.1980,


0.4102


0.8020

391.7163, 0.3170,
0.4054

 0.7593, 0.0000,
1.0000


 0.0000, 0.0000,
0.0000


 69.7183, 0.3144,
0.4725


 69.7183, 0.3144,
0.4725


 67.4752, 0.3134,
0.5068


 72.4604, 0.3148,
0.4378


 65.6926, 0.3117,
0.5385

 75.7197, 0.3146,
0.4044


 64.3404, 0.3094,
0.5649

 79.5246, 0.3141,
0.3736

 63.3811, 0.3067,
0.5841

 83.8985, 0.3133,
0.3457

 62.7702, 0.3038,
0.5951

 88.8635, 0.3124,
0.3211

 62.6287, 0.3030,
0.5976

 90.7989, 0.3134,
0.3146

Harmonies

Analogous

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



69.7183, 0.3910, 0.4740



69.7183, 0.3144, 0.4725



69.7183, 0.2415, 0.4107

Triad

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



69.7183, 0.3144, 0.4725



69.7183, 0.1849, 0.2145



69.7183, 0.4481, 0.3147

Complementary

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



69.7183, 0.3144, 0.4725



37.7431, 0.3043, 0.2107

Split Complementary

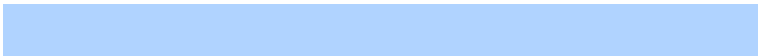
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



69.7183, 0.3773, 0.2624



69.7183, 0.3144, 0.4725



69.7183, 0.2253, 0.2070

Square

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



69.7183, 0.3144, 0.4725



69.7183, 0.1733, 0.2517



69.7183, 0.2933, 0.2244



69.7183, 0.4748, 0.3735

Rectangle

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



69.7183, 0.3144, 0.4725



69.7183, 0.2050, 0.3512



69.7183, 0.2933, 0.2244



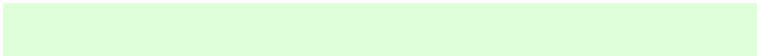
69.7183, 0.4282, 0.2962

Sweetspot

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



69.7213, 0.3144, 0.4725



92.5112, 0.3139, 0.3660



72.9679, 0.3892, 0.4286



19.5793, 0.3141, 0.3723



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.



69.7213, 0.3144, 0.4725



77.5469, 0.3135, 0.5053



69.7085, 0.2862, 0.4240



17.7579, 0.3136, 0.3533



34.3168, 0.3036, 0.5971



2.8866, 0.3103, 0.5919

Inverse Universe

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



37.7431, 0.3043, 0.2107



36.6612, 0.3016, 0.1893



38.1791, 0.3564, 0.2512



15.9177, 0.3116, 0.3056



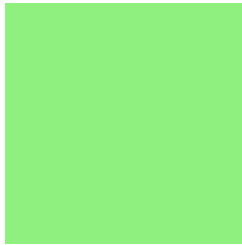
10.8138, 0.2873, 0.1356



0.9291, 0.2920, 0.1382

Previews

White Background



This preview shows how the Yxy color 69.7183, 0.3144, 0.4725 looks on a white background.

Color Contrast Check

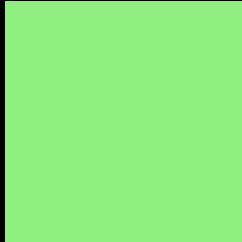
Large Text (above 18pt) WCAG AA × Fail

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 69.7183, 0.3144, 0.4725 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

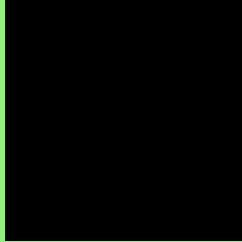
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 69.7183, 0.3144, 0.4725

Background



This preview shows how black text looks on a background with the Yxy color 69.7183, 0.3144, 0.4725.



This preview shows how white text looks on a background with the Yxy color 69.7183, 0.3144, 0.4725.

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

69.7183, 0.3144, 0.4725

Protanopia

68.6449, 0.3962, 0.4303

Deuteranopia

68.6061, 0.3923, 0.3879



Tritanopia

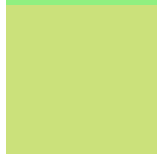
69.5301, 0.2635, 0.3081

Trichromacy



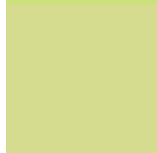
Original Color

69.7183, 0.3144, 0.4725



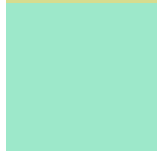
Protanomaly

67.9770, 0.3625, 0.4470



Deuteranomaly

67.4657, 0.3605, 0.4173



Tritanomaly

69.1456, 0.2827, 0.3659

Monochromacy



Original Color

69.7183, 0.3144, 0.4725



Achromatopsia

56.4712, 0.3127, 0.3290



Achromatomaly

60.0706, 0.3140, 0.3795

CSS Examples

Text

The CSS property to change the color of the text to Yxy 69.7183, 0.3144, 0.4725 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(143, 240, 128)` looks like.

```
.text, #text, p{  
    color:rgb(143, 240, 128)  
}
```

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(143, 240, 128) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(143, 240, 128) }
```

Border

The CSS property to change the border of an element to Yxy 69.7183, 0.3144, 0.4725 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(143, 240, 128) }
```

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

```
.border{ border-color:rgb(143, 240, 128) }
```

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

Here you see how a box with a 4 pixel `rgb(143, 240, 128)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(143, 240, 128); -webkit-box-shadow:4px 4px 4px 4px rgb(143, 240, 128); box-shadow:4px 4px 4px 4px rgb(143, 240, 128) }
```


Background

The CSS property to change the background color of an element to Yxy 69.7183, 0.3144, 0.4725 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(143, 240, 128) }
```

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

```
.background{ background-color: rgb(143,  
240, 128) }
```

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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