

Converting Colors

Yxy(69.8325, 0.2746, 0.4380)

Have a look what the booklet for
Yxy(69.8325, 0.2746, 0.4380)
contains.

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Color

Yxy(69.8325, 0.2746, 0.4380)

Conversions

Conversions Part 1

Format	Color
Hex	60F4A3
RGB	96, 244, 163
RGB Percent	38%, 96%, 64%
CMY	0.6237, 0.0431, 0.3608
CMYK	0.61, 0.00, 0.33, 0.04
HSL	147°, 87%, 67%
HSV	147°, 61%, 96%
XYZ	43.7808, 69.8325, 45.8216
YIQ	190.5140, -62.2070, -56.5670

Conversions

Conversions Part 2

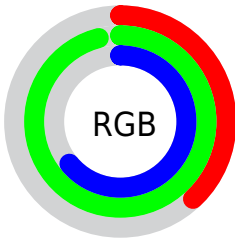
Format	Color
R_{YB}	96, 198, 244
Decimal	6354083
CIE _{Lab}	86.91, -57.45, 27.56
CIE _{LCh}	87, 63.721, 154.370
Yxy	69.8325, 0.2746, 0.4380
Android (android.graphics.Color)	4284544163 (0xFF60F4A3)
YUV	190.5140, -13.5644, -82.8888
Hunter-Lab	83.5658, -52.7226, 25.9856

Details

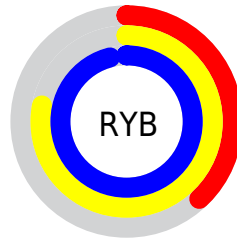
The Yxy color **69.8325, 0.2746, 0.4380** is a light color, and the websafe version is hex **66FF99**. A complement of this color would be **30.7629, 0.3951, 0.2459**, and the grayscale version is **51.9042, 0.3127, 0.3290**.

A 20% lighter version of the original color is **83.8511, 0.2771, 0.3717**, and **36.6883, 0.2634, 0.4682** is the 20% darker color. If you saturate the color by 10%, you get **68.2582, 0.2726, 0.4597**, and if you desaturate by 10%, it is **71.8735, 0.2784, 0.4167**.

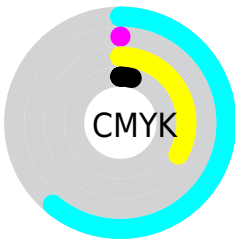
Distribution



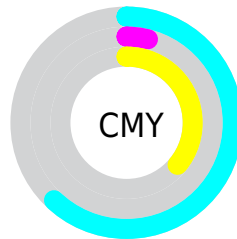
- Red (38%)
- Green (96%)
- Blue (64%)



- Red (38%)
- Yellow (78%)
- Blue (96%)



- Cyan (61%)
- Magenta (0%)
- Yellow (33%)
- Black (4%)




- Cyan (62%)
- Magenta (4%)
- Yellow (36%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 69.8325, 0.2746, 0.4380 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 69.8325, 0.2746, 0.4380 by changing the saturation by 10% instead.


 69.8325, 0.2746,
0.4380

 69.8325, 0.2746,
0.4380

459.9617, 0.2941,
0.3836

 51.3900, 0.2696,
0.4514


 118.9699, 0.2818,
0.4183

 36.5191, 0.2632,
0.4685


 150.4335, 0.2845,
0.4109

 24.8354, 0.2547,
0.4909


 187.0063, 0.2867,
0.4046

 15.9544, 0.2427,
0.5216

 229.0727, 0.2886,
0.3992

 9.4919, 0.2251,
0.5656

277.0170, 0.2903,
0.3946

 5.0634, 0.1971,
0.6327


331.2237, 0.2917,

 2.2845, 0.1360,

0.3905

0.8236


392.0771, 0.2930,
0.3868


 0.7655, 0.0000,
1.0000


 0.0000, 0.0000,
0.0000


 69.8325, 0.2746,
0.4380


 69.8325, 0.2746,
0.4380

 68.2582, 0.2726,
0.4597

 71.8735, 0.2784,
0.4167


 67.1010, 0.2725,
0.4812


 74.4086, 0.2836,
0.3963

 66.3151, 0.2744,
0.5016


 77.4727, 0.2899,
0.3773

 65.8440, 0.2776,
0.5193

 81.0955, 0.2970,
0.3598

 85.3040, 0.3045,
0.3440

 90.1237, 0.3122,
0.3299

 93.1871, 0.3132,
0.3185

Harmonies

Analogous

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



69.8325, 0.3484, 0.4724



69.8325, 0.2746, 0.4380



69.8325, 0.2151, 0.3599

Triad

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



69.8325, 0.2746, 0.4380



69.8325, 0.2085, 0.2123



69.8325, 0.4616, 0.3470

Complementary

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



69.8325, 0.2746, 0.4380



30.7629, 0.3951, 0.2459

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.



69.8325, 0.4150, 0.2922



69.8325, 0.2746, 0.4380



69.8325, 0.2626, 0.2187

Square

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



69.8325, 0.2746, 0.4380



69.8325, 0.1819, 0.2320



69.8325, 0.3383, 0.2470



69.8325, 0.4600, 0.4039

Rectangle

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



69.8325, 0.2746, 0.4380



69.8325, 0.1907, 0.3056



69.8325, 0.3383, 0.2470



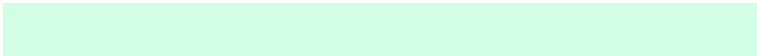
69.8325, 0.4510, 0.3281

Sweetspot

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



69.8353, 0.2746, 0.4380



90.7968, 0.2989, 0.3555



74.9425, 0.3504, 0.4984



19.1596, 0.2968, 0.3603



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.



69.8353, 0.2746, 0.4380



75.0848, 0.2724, 0.4651



73.2824, 0.2416, 0.3379



18.5968, 0.3054, 0.3422



35.8259, 0.2768, 0.5164



3.1692, 0.2701, 0.4922

Inverse Universe

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



30.7629, 0.3951, 0.2459



28.4264, 0.4213, 0.2363



28.5768, 0.4958, 0.3223



16.6342, 0.3208, 0.3161



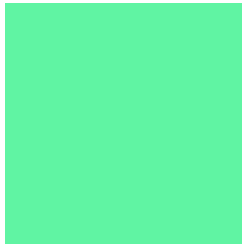
11.4141, 0.4761, 0.2396



1.0239, 0.4513, 0.2260

Previews

White Background



This preview shows how the Yxy color 69.8325, 0.2746, 0.4380 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 69.8325, 0.2746, 0.4380 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

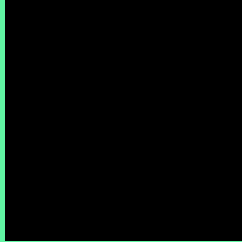
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

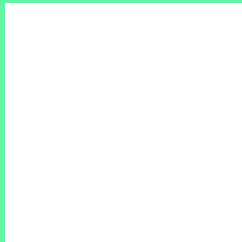
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 69.8325, 0.2746, 0.4380

Background



This preview shows how black text looks on a background with the Yxy color 69.8325, 0.2746, 0.4380.



This preview shows how white text looks on a background with the Yxy color 69.8325, 0.2746, 0.4380.

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

69.8325, 0.2746, 0.4380

Protanopia

68.6697, 0.3715, 0.4002

Deuteranopia

68.2614, 0.3751, 0.3668



Tritanopia

69.5912, 0.2421, 0.3062

Trichromacy



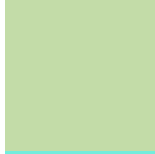
Original Color

69.8325, 0.2746, 0.4380



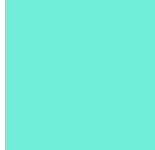
Protanomaly

66.8266, 0.3278, 0.4161



Deuteranomaly

65.6157, 0.3292, 0.3915



Tritanomaly

69.3131, 0.2534, 0.3502

Monochromacy



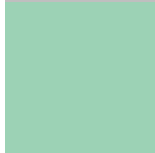
Original Color

69.8325, 0.2746, 0.4380



Achromatopsia

52.0996, 0.3127, 0.3290



Achromatomaly

56.4973, 0.2931, 0.3672

CSS Examples

Text

The CSS property to change the color of the text to Yxy 69.8325, 0.2746, 0.4380 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(96, 244, 163)` looks like.

```
.text, #text, p{  
    color:rgb(96, 244, 163)  
}
```

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(96, 244, 163) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(96, 244, 163) }
```

Border

The CSS property to change the border of an element to Yxy 69.8325, 0.2746, 0.4380 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(96, 244, 163) }
```

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

```
.border{ border-color:rgb(96, 244, 163) }
```

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

Here you see how a box with a 4 pixel `rgb(96, 244, 163)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(96, 244, 163); -webkit-box-  
shadow:4px 4px 4px 4px rgb(96, 244, 163);  
box-shadow:4px 4px 4px 4px rgb(96, 244,  
163) }
```


Background

The CSS property to change the background color of an element to Yxy 69.8325, 0.2746, 0.4380 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(96, 244, 163) }
```

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

```
.background{ background-color: rgb(96, 244,  
163) }
```

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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