

Converting Colors

$Y_{xy}(70.7824, 0.2745, 0.4374)$

Have a look what the booklet for
Yxy(70.7824, 0.2745, 0.4374)
contains.

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Color

Yxy(70.5265, 0.2747, 0.4375)

Conversions

Conversions Part 1

Format	Color
Hex	61F5A4
RGB	97, 245, 164
RGB Percent	38%, 96%, 64%
CMY	0.6196, 0.0392, 0.3569
CMYK	0.60, 0.00, 0.33, 0.04
HSL	147°, 88%, 67%
HSV	147°, 60%, 96%
XYZ	44.2826, 70.5265, 46.3943
YIQ	191.5140, -62.2070, -56.5670

Conversions

Conversions Part 2

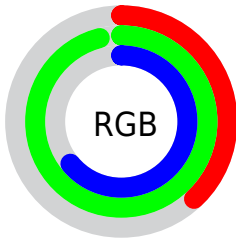
Format	Color
RYB	97, 199, 245
Decimal	6419876
CIELab	87.25, -57.45, 27.53
CIELCh	87, 63.701, 154.398
Yxy	70.5265, 0.2747, 0.4375
Android (android.graphics.Color)	4284609956 (0xFF61F5A4)
YUV	191.5140, -13.5644, -82.8888
Hunter-Lab	83.9801, -52.8423, 26.0316

Details

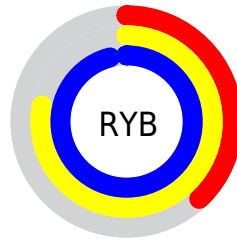
The Yxy color **70.5265, 0.2747, 0.4375** is a light color, and the websafe version is hex **66FF99**. A complement of this color would be **31.1800, 0.3945, 0.2462**, and the grayscale version is **52.5241, 0.3127, 0.3290**.

A 20% lighter version of the original color is **84.0054, 0.2771, 0.3704**, and **37.1427, 0.2633, 0.4674** is the 20% darker color. If you saturate the color by 10%, you get **68.9255, 0.2726, 0.4592**, and if you desaturate by 10%, it is **72.5998, 0.2785, 0.4162**.

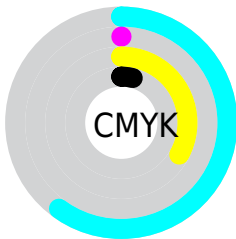
Distribution



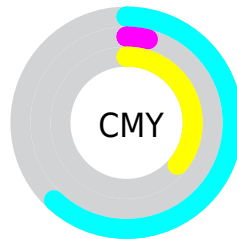
- Red (38%)
- Green (96%)
- Blue (64%)



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



- Cyan (60%)
- Magenta (0%)
- Yellow (33%)
- Black (4%)




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

Brightness & Saturation Gradients


These gradients show how the Yxy color 70.5265, 0.2747, 0.4375 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 70.5265, 0.2747, 0.4375 by changing the saturation by 10% instead.


 70.5265, 0.2747,
0.4375

 70.5265, 0.2747,
0.4375


462.3965, 0.2942,
0.3835

 51.9559, 0.2698,
0.4508


 119.9593, 0.2818,
0.4180

 36.9699, 0.2634,
0.4677


 151.5902, 0.2845,
0.4106

 25.1842, 0.2549,
0.4899


 188.3434, 0.2867,
0.4044

 16.2143, 0.2431,
0.5202

 230.6032, 0.2887,
0.3990

 9.6760, 0.2257,
0.5636

278.7540, 0.2903,
0.3944

 5.1846, 0.1982,
0.6296

333.1802, 0.2918,

 2.3560, 0.1413,

0.3903

0.8056

394.2662, 0.2930,
0.3867

■ 0.8031, 0.0000,
1.0000

■ 0.0000, 0.0000,
0.0000

■ 70.5265, 0.2747,
0.4375

■ 70.5265, 0.2747,
0.4375

■ 68.9255, 0.2726,
0.4592

■ 72.5998, 0.2785,
0.4162

■ 67.7469, 0.2725,
0.4807


■ 75.1729, 0.2838,
0.3958


■ 66.9447, 0.2743,
0.5012


■ 78.2811, 0.2901,
0.3768

■ 66.4526, 0.2776,
0.5195

■ 81.9542, 0.2972,
0.3594

 86.2195, 0.3047,
0.3436

 91.1027, 0.3124,
0.3295

 93.7875, 0.3132,
0.3194

Harmonies

Analogous

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



70.5265, 0.3483, 0.4719



70.5265, 0.2747, 0.4375



70.5265, 0.2154, 0.3597

Triad

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



70.5265, 0.2747, 0.4375



70.5265, 0.2089, 0.2127



70.5265, 0.4611, 0.3470

Complementary

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



70.5265, 0.2747, 0.4375



31.1800, 0.3945, 0.2462

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.



70.5265, 0.4147, 0.2924



70.5265, 0.2747, 0.4375



70.5265, 0.2628, 0.2190

Square

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



70.5265, 0.2747, 0.4375



70.5265, 0.1823, 0.2323



70.5265, 0.3383, 0.2473



70.5265, 0.4595, 0.4038

Rectangle

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



70.5265, 0.2747, 0.4375



70.5265, 0.1911, 0.3057



70.5265, 0.3383, 0.2473



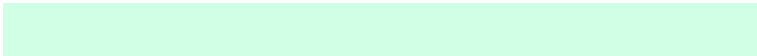
70.5265, 0.4506, 0.3282

Sweetspot

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



70.5294, 0.2747, 0.4375



90.7959, 0.2989, 0.3555



75.6840, 0.3503, 0.4977



19.1594, 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.



70.5294, 0.2747, 0.4375



75.2243, 0.2724, 0.4630



73.9993, 0.2418, 0.3378



18.5967, 0.3054, 0.3422



35.8250, 0.2768, 0.5165



3.1691, 0.2701, 0.4923

Inverse Universe

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



31.1800, 0.3945, 0.2462



28.7925, 0.4190, 0.2368



28.9724, 0.4946, 0.3223



16.6343, 0.3208, 0.3161



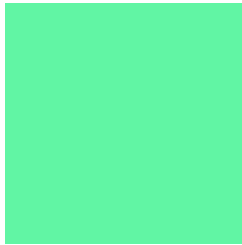
11.4153, 0.4760, 0.2396



1.0240, 0.4512, 0.2259

Previews

White Background



This preview shows how the Yxy color 70.5265, 0.2747, 0.4375 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 70.5265, 0.2747, 0.4375 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

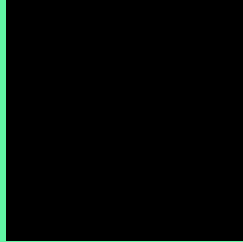
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 70.5265, 0.2747, 0.4375

Background



This preview shows how black text looks on a background with the Yxy color 70.5265, 0.2747, 0.4375.

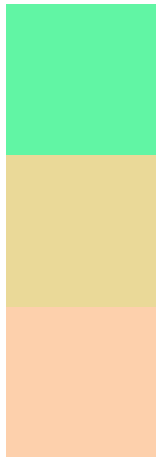


This preview shows how white text looks on a background with the Yxy color 70.5265, 0.2747, 0.4375.

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

70.5265, 0.2747, 0.4375

Protanopia

69.3851, 0.3712, 0.3999

Deuteranopia

68.9730, 0.3748, 0.3667



Tritanopia

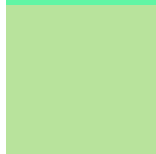
70.2975, 0.2423, 0.3063

Trichromacy



Original Color

70.5265, 0.2747, 0.4375



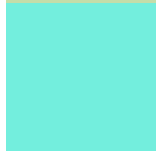
Protanomaly

67.5288, 0.3277, 0.4157



Deuteranomaly

66.3132, 0.3291, 0.3912



Tritanomaly

70.0144, 0.2535, 0.3501

Monochromacy



Original Color

70.5265, 0.2747, 0.4375



Achromatopsia

52.7115, 0.3127, 0.3290



Achromatomaly

57.1340, 0.2932, 0.3671

CSS Examples

Text

The CSS property to change the color of the text to Yxy 70.5265, 0.2747, 0.4375 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(97, 245, 164)` looks like.

```
.text, #text, p{  
    color:rgb(97, 245, 164)  
}
```

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(97, 245, 164) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(97, 245, 164) }
```

Border

The CSS property to change the border of an element to Yxy 70.5265, 0.2747, 0.4375 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(97, 245, 164) }
```

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

```
.border{ border-color:rgb(97, 245, 164) }
```

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

Here you see how a box with a 4 pixel `rgb(97, 245, 164)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(97, 245, 164); -webkit-box-  
shadow:4px 4px 4px 4px rgb(97, 245, 164);  
box-shadow:4px 4px 4px 4px rgb(97, 245,  
164) }
```


Background

The CSS property to change the background color of an element to $\text{Yxy } 70.5265, 0.2747, 0.4375$ is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(97, 245, 164) }
```

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

```
.background{ background-color: rgb(97, 245,  
164) }
```

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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