

Converting Colors

$Yxy(66.7950, 0.2723, 0.4375)$

Have a look what the booklet for
Yxy(66.7950, 0.2723, 0.4375)
contains.

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Color

Yxy(67.0172, 0.2723, 0.4375)

Conversions

Conversions Part 1

Format	Color
Hex	59F0A1
RGB	89, 240, 161
RGB Percent	35%, 94%, 63%
CMY	0.6510, 0.0588, 0.3686
CMYK	0.63, 0.00, 0.33, 0.06
HSL	149°, 83%, 65%
HSV	149°, 63%, 94%
XYZ	41.7115, 67.0172, 44.4535
YIQ	185.8450, -64.6370, -56.5810

Conversions

Conversions Part 2

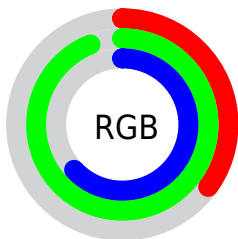
Format	Color
RYB	89, 191, 240
Decimal	5894305
CIELab	85.51, -57.59, 26.65
CIELCh	86, 63.459, 155.166
Yxy	67.0172, 0.2723, 0.4375
Android (android.graphics.Color)	4284084385 (0xFF59F0A1)
YUV	185.8450, -12.2486, -84.9331
Hunter-Lab	81.8640, -52.3124, 25.1094

Details

The Yxy color **67.0172, 0.2723, 0.4375** is a light color, and the websafe version is hex **66FF99**. The color can be described as light muted spring green. A complement of this color would be **28.4959, 0.4044, 0.2474**, and the grayscale version is **49.1076, 0.3127, 0.3290**.

A 20% lighter version of the original color is **83.1533, 0.2752, 0.3745**, and **34.9711, 0.2631, 0.4672** is the 20% darker color. If you saturate the color by 10%, you get **65.5990, 0.2705, 0.4583**, and if you desaturate by 10%, it is **68.8721, 0.2759, 0.4170**.

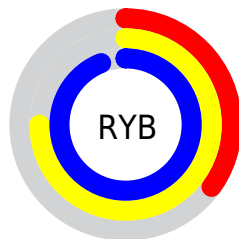
Distribution



Red (35%)

Green (94%)

Blue (63%)



Red (35%)

Yellow (75%)

Blue (94%)

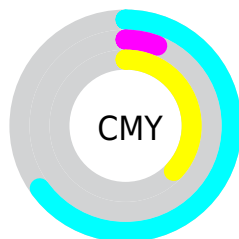


Cyan (63%)

Magenta (0%)

Yellow (33%)

Black (6%)



Cyan (65%)


Magenta (6%)

Yellow (37%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 67.0172, 0.2723, 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 67.0172, 0.2723, 0.4375 by changing the saturation by 10% instead.

 67.0172, 0.2723,
0.4375

 67.0172, 0.2723,
0.4375


450.0060, 0.2930,
0.3830


 49.0986, 0.2670,
0.4511


 114.9451, 0.2799,
0.4177


 34.6977, 0.2602,
0.4684


 145.7231, 0.2828,
0.4103

 23.4301, 0.2511,
0.4913


 181.5564, 0.2851,
0.4040

 14.9114, 0.2383,
0.5228

 222.8294, 0.2872,
0.3986

 8.7572, 0.2195,
0.5684

269.9265, 0.2889,
0.3939

 4.5832, 0.1893,
0.6387


323.2320, 0.2905,

 2.0048, 0.1012,

0.3898


0.8959


383.1304, 0.2918,
0.3862


 0.6103, 0.0000,
1.0000


 0.0000, 0.0000,
0.0000


 67.0172, 0.2723,
0.4375


 67.0172, 0.2723,
0.4375


 65.5990, 0.2705,
0.4583


 68.8721, 0.2759,
0.4170


 64.5690, 0.2707,
0.4788

 71.1908, 0.2811,
0.3974

 63.8809, 0.2729,
0.4983


 74.0075, 0.2874,
0.3790


 63.5486, 0.2754,
0.5113

 77.3509, 0.2946,
0.3620

 81.2473, 0.3023,
0.3466

 85.7213, 0.3104,
0.3327

 90.4164, 0.3171,
0.3204

 90.8035, 0.3134,
0.3146

Harmonies

Analogous

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



67.0172, 0.3466, 0.4737



67.0172, 0.2723, 0.4375



67.0172, 0.2130, 0.3579

Triad

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



67.0172, 0.2723, 0.4375



67.0172, 0.2088, 0.2112



67.0172, 0.4636, 0.3485

Complementary

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



67.0172, 0.2723, 0.4375



28.4959, 0.4044, 0.2474

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.



67.0172, 0.4178, 0.2932



67.0172, 0.2723, 0.4375



67.0172, 0.2639, 0.2183

Square

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



67.0172, 0.2723, 0.4375



67.0172, 0.1812, 0.2302



67.0172, 0.3407, 0.2473



67.0172, 0.4606, 0.4059

Rectangle

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



67.0172, 0.2723, 0.4375



67.0172, 0.1890, 0.3033



67.0172, 0.3407, 0.2473



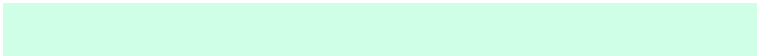
67.0172, 0.4534, 0.3295

Sweetspot

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



67.0199, 0.2723, 0.4375



90.4143, 0.2975, 0.3558



71.5384, 0.3491, 0.5051



19.0880, 0.2953, 0.3604



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.



67.0199, 0.2723, 0.4375



74.8386, 0.2704, 0.4652



70.4433, 0.2391, 0.3351



17.7819, 0.3051, 0.3416



34.8121, 0.2746, 0.5084



2.9160, 0.2677, 0.4836

Inverse Universe

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



28.4959, 0.4044, 0.2474



27.2485, 0.4347, 0.2393



26.4775, 0.5094, 0.3248



15.8970, 0.3211, 0.3167



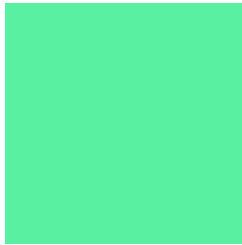
10.9865, 0.4860, 0.2451



0.9341, 0.4583, 0.2298

Previews

White Background



This preview shows how the Yxy color 67.0172, 0.2723, 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 67.0172, 0.2723, 0.4375 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

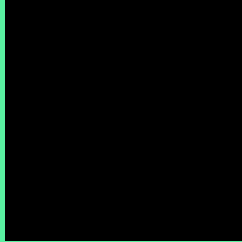
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 67.0172, 0.2723, 0.4375

Background



This preview shows how black text looks on a background with the Yxy color 67.0172, 0.2723, 0.4375.



This preview shows how white text looks on a background with the Yxy color 67.0172, 0.2723, 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

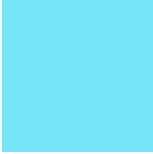
67.0172, 0.2723, 0.4375

Protanopia

65.9149, 0.3711, 0.3992

Deuteranopia

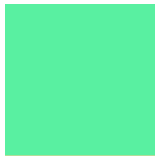
65.8245, 0.3736, 0.3664



Tritanopia

66.6675, 0.2405, 0.3058

Trichromacy



Original Color

67.0172, 0.2723, 0.4375



Protanomaly

64.0074, 0.3260, 0.4154



Deuteranomaly

63.3260, 0.3272, 0.3915



Tritanomaly

66.3615, 0.2515, 0.3507

Monochromacy



Original Color

67.0172, 0.2723, 0.4375



Achromatopsia

49.1021, 0.3127, 0.3290



Achromatomaly

53.8962, 0.2921, 0.3681

CSS Examples

Text

The CSS property to change the color of the text to Yxy 67.0172, 0.2723, 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(89, 240, 161)` looks like.

```
.text, #text, p{  
    color:rgb(89, 240, 161)  
}
```

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(89, 240, 161) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(89, 240, 161) }
```

Border

The CSS property to change the border of an element to Yxy 67.0172, 0.2723, 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(89, 240, 161) }
```

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

```
.border{ border-color:rgb(89, 240, 161) }
```

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

Here you see how a box with a 4 pixel `rgb(89, 240, 161)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(89, 240, 161); -webkit-box-  
shadow:4px 4px 4px 4px rgb(89, 240, 161);  
box-shadow:4px 4px 4px 4px rgb(89, 240,  
161) }
```


Background

The CSS property to change the background color of an element to Yxy 67.0172, 0.2723, 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(89, 240, 161) }
```

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

```
.background{ background-color: rgb(89, 240,  
161) }
```

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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