

Converting Colors

$Yxy(71.0235, 0.2674, 0.4462)$

Have a look what the booklet for
Yxy(71.0235, 0.2674, 0.4462)
contains.

Yxy(71.0086, 0.2672, 0.4460)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(71.0086, 0.2672, 0.4460)

Conversions

Conversions Part 1

Format	Color
Hex	45F8A2
RGB	69, 248, 162
RGB Percent	27%, 97%, 64%
CMY	0.7297, 0.0274, 0.3646
CMYK	0.72, 0.00, 0.35, 0.03
HSL	151°, 93%, 62%
HSV	151°, 72%, 97%
XYZ	42.5415, 71.0086, 45.6620
YIQ	184.6750, -79.0780, -64.6940

Conversions

Conversions Part 2

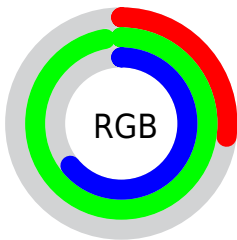
Format	Color
RYB	69, 187, 248
Decimal	4585634
CIELab	87.49, -63.61, 28.73
CIELCh	87, 69.793, 155.694
Yxy	71.0086, 0.2672, 0.4460
Android (android.graphics.Color)	4282775714 (0xFF45F8A2)
YUV	184.6750, -11.1788, -101.4470
Hunter-Lab	84.2666, -57.3519, 26.8588

Details

The Yxy color **71.0086, 0.2672, 0.4460** is a light color, and the websafe version is hex **66FF99**. The color can be described as light washed spring green. A complement of this color would be **26.5679, 0.4371, 0.2484**, and the grayscale version is **48.4132, 0.3127, 0.3290**.

A 20% lighter version of the original color is **82.0187, 0.2687, 0.3740**, and **37.9527, 0.2649, 0.4736** is the 20% darker color. If you saturate the color by 10%, you get **69.8835, 0.2670, 0.4650**, and if you desaturate by 10%, it is **72.5580, 0.2694, 0.4269**.

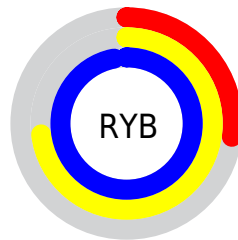
Distribution



Red (27%)

Green (97%)

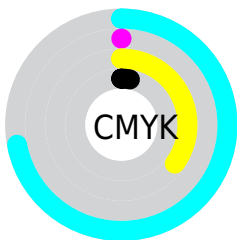
Blue (64%)



Red (27%)

Yellow (73%)

Blue (97%)

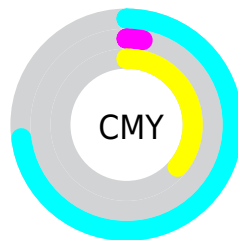


Cyan (72%)

Magenta (0%)

Yellow (35%)

Black (3%)



Cyan (73%)


Magenta (3%)


Yellow (36%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 71.0086, 0.2672, 0.4460 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 71.0086, 0.2672, 0.4460 by changing the saturation by 10% instead.


 71.0086, 0.2672,
0.4460


 71.0086, 0.2672,
0.4460

464.0835, 0.2903,
0.3876


 52.3492, 0.2614,
0.4604


 120.6460, 0.2757,
0.4249


 37.2835, 0.2539,
0.4788


 152.3927, 0.2788,
0.4169

 25.4271, 0.2440,
0.5029


 189.2708, 0.2815,
0.4101

 16.3955, 0.2303,
0.5357

 231.6644, 0.2838,
0.4043

 9.8045, 0.2103,
0.5827

279.9582, 0.2858,
0.3993

 5.2695, 0.1792,
0.6537

334.5363, 0.2875,

 2.4062, 0.1029,

0.3949

0.8614

395.7833, 0.2890,
0.3910

0.8291, 0.0000,
1.0000

0.0000, 0.0000,
0.0000

71.0086, 0.2672,
0.4460

71.0086, 0.2672,
0.4460

69.8835, 0.2670,
0.4650

72.5580, 0.2694,
0.4269


69.1222, 0.2688,
0.4833


74.5663, 0.2735,
0.4082

68.7226, 0.2714,
0.4970


77.0739, 0.2792,
0.3904

80.1142, 0.2860,
0.3736

 83.7179, 0.2938,
0.3582

 87.9131, 0.3021,
0.3442

 92.7260, 0.3108,
0.3316

 95.6190, 0.3130,
0.3223

Harmonies

Analogous

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



71.0086, 0.3464, 0.4856



71.0086, 0.2672, 0.4460



71.0086, 0.2048, 0.3581

Triad

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



71.0086, 0.2672, 0.4460



71.0086, 0.2025, 0.2035



71.0086, 0.4756, 0.3495

Complementary

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



71.0086, 0.2672, 0.4460



26.5679, 0.4371, 0.2484

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.



71.0086, 0.4272, 0.2912



71.0086, 0.2672, 0.4460



71.0086, 0.2614, 0.2116

Square

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



71.0086, 0.2672, 0.4460



71.0086, 0.1731, 0.2224



71.0086, 0.3440, 0.2426



71.0086, 0.4705, 0.4105

Rectangle

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



71.0086, 0.2672, 0.4460



71.0086, 0.1801, 0.2990



71.0086, 0.3440, 0.2426



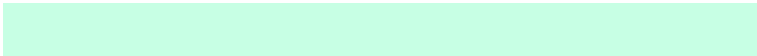
71.0086, 0.4651, 0.3295

Sweetspot

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



71.0115, 0.2672, 0.4460



89.2537, 0.2939, 0.3579



74.5841, 0.3439, 0.5316



18.8671, 0.2918, 0.3620



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.



71.0115, 0.2672, 0.4460



73.9997, 0.2677, 0.4741



73.3585, 0.2307, 0.3251



19.4600, 0.3045, 0.3406



37.1502, 0.2706, 0.4942



3.4622, 0.2647, 0.4730

Inverse Universe

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



26.5679, 0.4371, 0.2484



24.2393, 0.4762, 0.2483



25.0096, 0.5588, 0.3320



17.3640, 0.3218, 0.3177



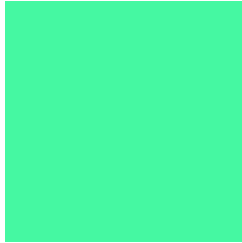
11.5287, 0.5047, 0.2554



1.0891, 0.4769, 0.2401

Previews

White Background



This preview shows how the Yxy color 71.0086, 0.2672, 0.4460 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 71.0086, 0.2672, 0.4460 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

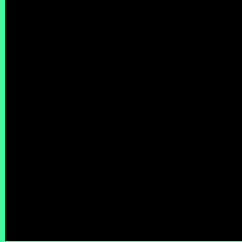
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 71.0086, 0.2672, 0.4460

Background



This preview shows how black text looks on a background with the Yxy color 71.0086, 0.2672, 0.4460.

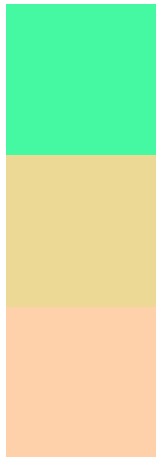


This preview shows how white text looks on a background with the Yxy color 71.0086, 0.2672, 0.4460.

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

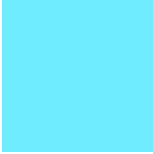
71.0086, 0.2672, 0.4460

Protanopia

69.4578, 0.3741, 0.4029

Deuteranopia

69.6120, 0.3761, 0.3686



Tritanopia

70.5904, 0.2368, 0.3062

Trichromacy



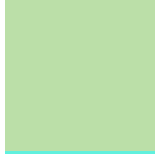
Original Color

71.0086, 0.2672, 0.4460



Protanomaly

66.9339, 0.3224, 0.4210



Deuteranomaly

66.1673, 0.3229, 0.3960



Tritanomaly

70.0274, 0.2472, 0.3530

Monochromacy



Original Color

71.0086, 0.2672, 0.4460



Achromatopsia

48.5150, 0.3127, 0.3290



Achromatomaly

54.1257, 0.2869, 0.3713

CSS Examples

Text

The CSS property to change the color of the text to Yxy 71.0086, 0.2672, 0.4460 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(69, 248, 162)` looks like.

```
.text, #text, p{  
    color:rgb(69, 248, 162)  
}
```

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(69, 248, 162) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(69, 248, 162) }
```

Border

The CSS property to change the border of an element to Yxy 71.0086, 0.2672, 0.4460 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(69, 248, 162) }
```

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

```
.border{ border-color:rgb(69, 248, 162) }
```

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

Here you see how a box with a 4 pixel `rgb(69, 248, 162)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(69, 248, 162); -webkit-box-  
shadow:4px 4px 4px 4px rgb(69, 248, 162);  
box-shadow:4px 4px 4px 4px rgb(69, 248,  
162) }
```


Background

The CSS property to change the background color of an element to Yxy 71.0086, 0.2672, 0.4460 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(69, 248, 162) }
```

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

```
.background{ background-color: rgb(69, 248,  
162) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor