

Converting Colors

$Y_{xy}(70.1155, 0.2736, 0.4491)$

Have a look what the booklet for
Yxy(70.1155, 0.2736, 0.4491)
contains.

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Color

Yxy(70.2772, 0.2738, 0.4497)

Conversions

Conversions Part 1

| Format | Color |
|-------------|------------------------------|
| Hex | 55F69D |
| RGB | 85, 246, 157 |
| RGB Percent | 33%, 96%, 62% |
| CMY | 0.6667, 0.0353, 0.3843 |
| CMYK | 0.65, 0.00, 0.36, 0.04 |
| HSL | 147°, 90%, 65% |
| HSV | 147°, 65%, 96% |
| XYZ | 42.7883, 70.2772, 43.2102 |
| YIQ | 187.7150, -67.3870, -61.8110 |

Conversions

Conversions Part 2

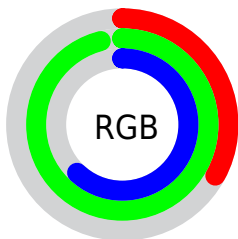
| Format | Color |
|-------------------------------------|--|
| RYB | 85, 196, 246 |
| Decimal | 5633693 |
| CIELab | 87.13, -61.33, 30.84 |
| CIELCh | 87, 68.649, 153.304 |
| Yxy | 70.2772, 0.2738, 0.4497 |
| Android (android.graphics.Color) | 4283823773 (0xFF55F69D) |
| YUV | 187.7150, -15.1425, -90.0811 |
| Hunter-Lab | 83.8315, -55.5972, 28.1215 |

Details

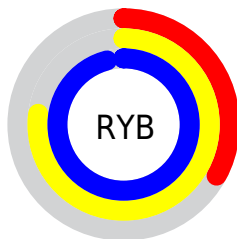
The Yxy color **70.2772, 0.2738, 0.4497** is a light color, and the websafe version is hex **66FF99**. The color can be described as light muted spring green. A complement of this color would be **29.1472, 0.4036, 0.2406**, and the grayscale version is **50.2375, 0.3127, 0.3290**.

A 20% lighter version of the original color is **82.7575, 0.2762, 0.3795**, and **36.9864, 0.2669, 0.4807** is the 20% darker color. If you saturate the color by 10%, you get **68.8829, 0.2727, 0.4716**, and if you desaturate by 10%, it is **72.1289, 0.2767, 0.4279**.

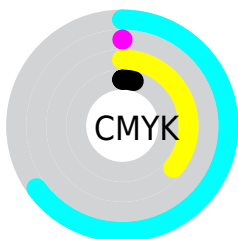
Distribution



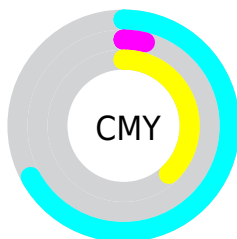
- Red (33%)
- Green (96%)
- Blue (62%)



- Red (33%)
- Yellow (77%)
- Blue (96%)



- Cyan (65%)
- Magenta (0%)
- Yellow (36%)
- Black (4%)



- Cyan (67%)
- Magenta (4%)
- Yellow (38%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 70.2772, 0.2738, 0.4497 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 70.2772, 0.2738, 0.4497 by changing the saturation by 10% instead.


 70.2772, 0.2738,
0.4497

 70.2772, 0.2738,
0.4497


461.5227, 0.2941,
0.3893


 51.7526, 0.2686,
0.4646


 119.6040, 0.2813,
0.4278


 36.8079, 0.2618,
0.4837


 151.1749, 0.2841,
0.4196

 25.0588, 0.2526,
0.5087


 187.8634, 0.2864,
0.4126

 16.1208, 0.2398,
0.5427

 230.0538, 0.2884,
0.4066

 9.6097, 0.2207,
0.5914

278.1305, 0.2901,
0.4014

 5.1410, 0.1901,
0.6648


332.4780, 0.2916,

 2.3302, 0.1159,


0.3968

0.8841


393.4806, 0.2929,
0.3928

 0.7896, 0.0000,
1.0000


 0.0000, 0.0000,
0.0000


 70.2772, 0.2738,
0.4497


 70.2772, 0.2738,
0.4497


 68.8829, 0.2727,
0.4716


 72.1289, 0.2767,
0.4279

 67.8922, 0.2736,
0.4928


 74.4684, 0.2813,
0.4067

 67.2524, 0.2764,
0.5127

 77.3331, 0.2870,
0.3868

 67.0402, 0.2781,
0.5212

 80.7544, 0.2937,
0.3684

 84.7610, 0.3010,
0.3516

 89.3797, 0.3085,
0.3365

 94.2147, 0.3148,
0.3231

 94.3940, 0.3131,
0.3204

Harmonies

Analogous

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



70.2772, 0.3525, 0.4838



70.2772, 0.2738, 0.4497



70.2772, 0.2100, 0.3652

Triad

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



70.2772, 0.2738, 0.4497



70.2772, 0.2004, 0.2053



70.2772, 0.4716, 0.3447

Complementary

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



70.2772, 0.2738, 0.4497



29.1472, 0.4036, 0.2406

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.



70.2772, 0.4200, 0.2874



70.2772, 0.2738, 0.4497



70.2772, 0.2564, 0.2113

Square

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



70.2772, 0.2738, 0.4497



70.2772, 0.1735, 0.2265



70.2772, 0.3367, 0.2404



70.2772, 0.4709, 0.4051

Rectangle

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



70.2772, 0.2738, 0.4497



70.2772, 0.1838, 0.3060



70.2772, 0.3367, 0.2404



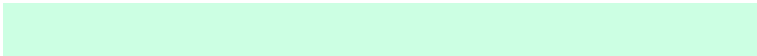
70.2772, 0.4598, 0.3250

Sweetspot

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



70.2800, 0.2738, 0.4497



89.8929, 0.2976, 0.3591



75.8277, 0.3531, 0.5094



18.9827, 0.2955, 0.3638



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.



70.2800, 0.2738, 0.4497



74.2946, 0.2728, 0.4796



73.8593, 0.2396, 0.3421



18.5952, 0.3055, 0.3424



35.8095, 0.2773, 0.5182



3.1677, 0.2705, 0.4939

Inverse Universe

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



29.1472, 0.4036, 0.2406



26.5698, 0.4327, 0.2331



26.9309, 0.5149, 0.3198



16.6359, 0.3207, 0.3160



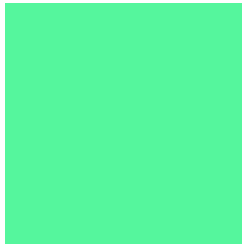
11.4351, 0.4737, 0.2383



1.0257, 0.4493, 0.2249

Previews

White Background



This preview shows how the Yxy color 70.2772, 0.2738, 0.4497 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 70.2772, 0.2738, 0.4497 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

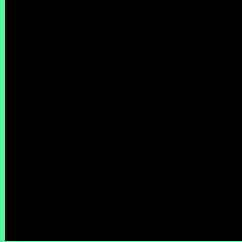
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 70.2772, 0.2738, 0.4497

Background



This preview shows how black text looks on a background with the Yxy color 70.2772, 0.2738, 0.4497.

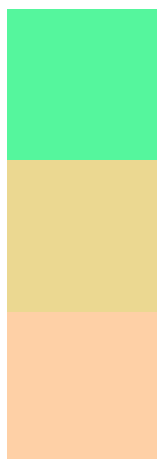


This preview shows how white text looks on a background with the Yxy color 70.2772, 0.2738, 0.4497.

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

70.2772, 0.2738, 0.4497

Protanopia

68.8182, 0.3773, 0.4061

Deuteranopia

68.9358, 0.3802, 0.3728



Tritanopia

69.7890, 0.2396, 0.3062

Trichromacy



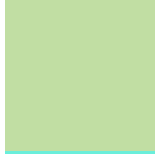
Original Color

70.2772, 0.2738, 0.4497



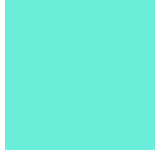
Protanomaly

66.8114, 0.3291, 0.4252



Deuteranomaly

66.2244, 0.3307, 0.4002



Tritanomaly

69.2752, 0.2515, 0.3542

Monochromacy



Original Color

70.2772, 0.2738, 0.4497



Achromatopsia

50.2886, 0.3127, 0.3290



Achromatomaly

55.3546, 0.2923, 0.3719

CSS Examples

Text

The CSS property to change the color of the text to Yxy 70.2772, 0.2738, 0.4497 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(85, 246, 157)` looks like.

```
.text, #text, p{  
  color:rgb(85, 246, 157)  
}
```

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(85, 246, 157) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(85, 246, 157) }
```

Border

The CSS property to change the border of an element to Yxy 70.2772, 0.2738, 0.4497 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(85, 246, 157) }
```

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

```
.border{ border-color:rgb(85, 246, 157) }
```

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

Here you see how a box with a 4 pixel `rgb(85, 246, 157)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(85, 246, 157); -webkit-box-  
shadow:4px 4px 4px 4px rgb(85, 246, 157);  
box-shadow:4px 4px 4px 4px rgb(85, 246,  
157) }
```


Background

The CSS property to change the background color of an element to $Yxy\ 70.2772, 0.2738, 0.4497$ is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(85, 246, 157) }
```

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

```
.background{ background-color: rgb(85, 246,  
157) }
```

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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