

Converting Colors

$Yxy(66.1670, 0.3226, 0.4720)$

Have a look what the booklet for
Yxy(66.1670, 0.3226, 0.4720)
contains.

| | |
|---|----|
| Yxy(66.1670, 0.3226, 0.4720) | 3 |
| Conversions | 4 |
| Details | 6 |
| Harmonies | 12 |
| Previews | 24 |
| Color Blindness Simulation | 27 |
| CSS Examples | 30 |

Color

Yxy(66.1670, 0.3226, 0.4720)

Conversions

Conversions Part 1

| Format | Color |
|-------------|------------------------------|
| Hex | 96E97A |
| RGB | 150, 233, 122 |
| RGB Percent | 59%, 91%, 48% |
| CMY | 0.4119, 0.0862, 0.5216 |
| CMYK | 0.36, 0.00, 0.48, 0.09 |
| HSL | 105°, 72%, 70% |
| HSV | 105°, 48%, 91% |
| XYZ | 45.2235, 66.1670, 28.7939 |
| YIQ | 195.5290, -13.8370, -52.1170 |

Conversions

Conversions Part 2

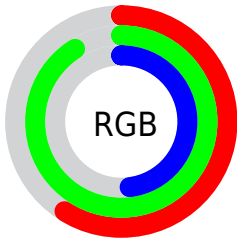
| Format | Color |
|-------------------------------------|--|
| RYB | 122, 233, 205 |
| Decimal | 9890170 |
| CIELab | 85.08, -45.35, 45.90 |
| CIElCh | 85, 64.531, 134.655 |
| Yxy | 66.1670, 0.3226, 0.4720 |
| Android (android.graphics.Color) | 4288080250 (0xFF96E97A) |
| YUV | 195.5290, -36.2498, -39.9289 |
| Hunter-Lab | 81.3431, -43.1117, 35.9527 |

Details

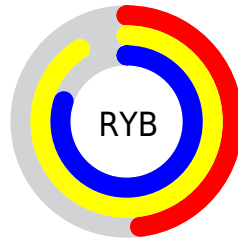
The Yxy color **66.1670, 0.3226, 0.4720** is a light color, and the websafe version is hex **99FF99**. A complement of this color would be **32.7823, 0.2917, 0.2041**, and the grayscale version is **55.1282, 0.3127, 0.3290**.

A 20% lighter version of the original color is **87.9200, 0.3276, 0.4154**, and **34.2662, 0.3201, 0.5115** is the 20% darker color. If you saturate the color by 10%, you get **64.1281, 0.3225, 0.5047**, and if you desaturate by 10%, it is **68.5960, 0.3216, 0.4386**.

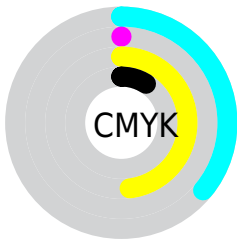
Distribution



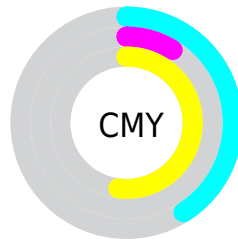
- Red (59%)
- Green (91%)
- Blue (48%)



- Red (48%)
- Yellow (91%)
- Blue (80%)



- Cyan (36%)
- Magenta (0%)
- Yellow (48%)
- Black (9%)





- Cyan (41%)
- Magenta (9%)
- Yellow (52%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 66.1670, 0.3226, 0.4720 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 66.1670, 0.3226, 0.4720 by changing the saturation by 10% instead.


 66.1670, 0.3226,
0.4720


 66.1670, 0.3226,
0.4720


446.9739, 0.3213,
0.4006

 48.4080, 0.3218,
0.4893


 113.7260, 0.3230,
0.4463

 34.1501, 0.3202,
0.5112


 144.2948, 0.3228,
0.4366

 23.0089, 0.3170,
0.5393

 179.9022, 0.3226,
0.4283

 14.6001, 0.3108,
0.5765

220.9328, 0.3224,
0.4212

 8.5392, 0.2982,
0.6268

267.7708, 0.3221,
0.4150

 4.4419, 0.2812,
0.7188

320.8008, 0.3218,

 1.9237, 0.1996,

0.4096

0.8004

380.4070, 0.3216,
0.4049

0.5626, 0.0000,
1.0000

0.0000, 0.0000,
0.0000

66.1670, 0.3226,
0.4720

66.1670, 0.3226,
0.4720

64.1281, 0.3225,
0.5047

68.5960, 0.3216,
0.4386

62.4498, 0.3212,
0.5348

71.4257, 0.3198,
0.4063


61.1119, 0.3187,
0.5601


74.6768, 0.3175,
0.3759


60.0884, 0.3149,
0.5789


78.3662, 0.3149,
0.3483

 59.3473, 0.3105,
0.5904

 82.5096, 0.3120,
0.3234

 59.2058, 0.3095,
0.5925

 86.6769, 0.3134,
0.3078

 86.7645, 0.3137,
0.3078

Harmonies

Analogous

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



66.1670, 0.3969, 0.4683



66.1670, 0.3226, 0.4720



66.1670, 0.2497, 0.4171

Triad

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



66.1670, 0.3226, 0.4720



66.1670, 0.1847, 0.2191



66.1670, 0.4396, 0.3095

Complementary

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



66.1670, 0.3226, 0.4720



32.7823, 0.2917, 0.2041

Split Complementary

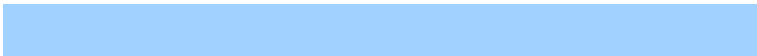
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



66.1670, 0.3675, 0.2591



66.1670, 0.3226, 0.4720



66.1670, 0.2216, 0.2088

Square

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



66.1670, 0.3226, 0.4720



66.1670, 0.1763, 0.2591



66.1670, 0.2859, 0.2235



66.1670, 0.4712, 0.3670

Rectangle

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



66.1670, 0.3226, 0.4720



66.1670, 0.2118, 0.3599



66.1670, 0.2859, 0.2235



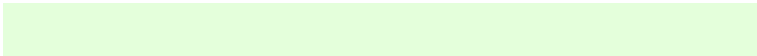
66.1670, 0.4188, 0.2915

Sweetspot

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



66.1698, 0.3226, 0.4720



93.1929, 0.3166, 0.3657



61.6334, 0.3973, 0.4181



19.7434, 0.3171, 0.3719



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.



66.1698, 0.3226, 0.4720



78.7749, 0.3226, 0.5036



64.5555, 0.2926, 0.4444



17.0455, 0.3154, 0.3531



33.6403, 0.3104, 0.5918



2.6860, 0.3200, 0.5841

Inverse Universe

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



32.7823, 0.2917, 0.2041



33.2590, 0.2857, 0.1806



35.7507, 0.3436, 0.2370



15.1116, 0.3098, 0.3055



8.5243, 0.2580, 0.1195



0.7143, 0.2670, 0.1245

Previews

White Background



This preview shows how the Yxy color 66.1670, 0.3226, 0.4720 looks on a white background.

Color Contrast Check

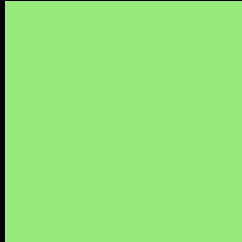
Large Text (above 18pt) WCAG AA × Fail

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 66.1670, 0.3226, 0.4720 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

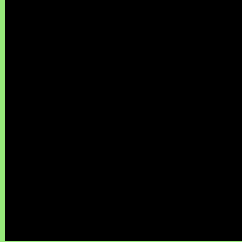
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 66.1670, 0.3226, 0.4720

Background



This preview shows how black text looks on a background with the Yxy color 66.1670, 0.3226, 0.4720.



This preview shows how white text looks on a background with the Yxy color 66.1670, 0.3226, 0.4720.

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

66.1670, 0.3226, 0.4720

Protanopia

65.6255, 0.3980, 0.4340

Deuteranopia

65.1670, 0.4091, 0.4008



Tritanopia

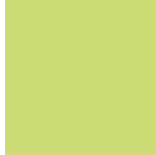
65.9055, 0.2691, 0.3079

Trichromacy



Original Color

66.1670, 0.3226, 0.4720



Protanomaly

65.1673, 0.3680, 0.4488



Deuteranomaly

63.8987, 0.3754, 0.4260



Tritanomaly

65.6225, 0.2892, 0.3650

Monochromacy



Original Color

66.1670, 0.3226, 0.4720



Achromatopsia

55.2011, 0.3127, 0.3290



Achromatomaly

58.0492, 0.3178, 0.3799

CSS Examples

Text

The CSS property to change the color of the text to Yxy 66.1670, 0.3226, 0.4720 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(150, 233, 122)` looks like.

```
.text, #text, p{  
    color:rgb(150, 233, 122)  
}
```

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(150, 233, 122) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(150, 233, 122) }
```

Border

The CSS property to change the border of an element to Yxy 66.1670, 0.3226, 0.4720 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(150, 233, 122) }
```

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

```
.border{ border-color:rgb(150, 233, 122) }
```

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

Here you see how a box with a 4 pixel `rgb(150, 233, 122)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(150, 233, 122); -webkit-box-  
shadow:4px 4px 4px 4px rgb(150, 233, 122);  
box-shadow:4px 4px 4px 4px rgb(150, 233,  
122) }
```


Background

The CSS property to change the background color of an element to Yxy 66.1670, 0.3226, 0.4720 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(150, 233, 122) }
```

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

```
.background{ background-color: rgb(150,  
233, 122) }
```

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