

Converting Colors

$Yxy(66.6281, 0.2902, 0.4435)$

Have a look what the booklet for
Yxy(66.6281, 0.2902, 0.4435)
contains.

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Color

Yxy(66.7958, 0.2902, 0.4445)

Conversions

Conversions Part 1

Format	Color
Hex	78ED97
RGB	120, 237, 151
RGB Percent	47%, 93%, 59%
CMY	0.5296, 0.0705, 0.4079
CMYK	0.49, 0.00, 0.36, 0.07
HSL	136°, 76%, 70%
HSV	136°, 49%, 93%
XYZ	43.6089, 66.7958, 39.8671
YIQ	192.2130, -42.1260, -51.5500

Conversions

Conversions Part 2

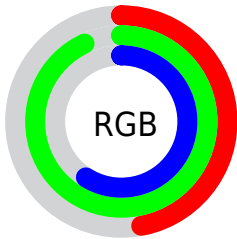
Format	Color
RYB	120, 212, 237
Decimal	7925143
CIELab	85.40, -51.43, 31.75
CIELCh	85, 60.442, 148.314
Yxy	66.7958, 0.2902, 0.4445
Android (android.graphics.Color)	4286115223 (0xFF78ED97)
YUV	192.2130, -20.3180, -63.3308
Hunter-Lab	81.7287, -47.7810, 28.2885

Details

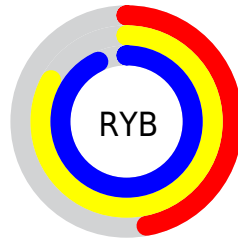
The Yxy color **66.7958, 0.2902, 0.4445** is a light color, and the websafe version is hex **99FF99**. A complement of this color would be **35.8803, 0.3491, 0.2374**, and the grayscale version is **52.9752, 0.3127, 0.3290**.

A 20% lighter version of the original color is **85.4412, 0.2938, 0.3846**, and **34.4732, 0.2821, 0.4772** is the 20% darker color. If you saturate the color by 10%, you get **64.7848, 0.2876, 0.4728**, and if you desaturate by 10%, it is **69.3151, 0.2938, 0.4171**.

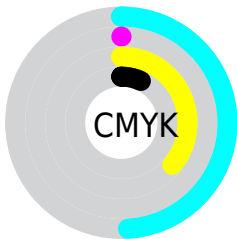
Distribution



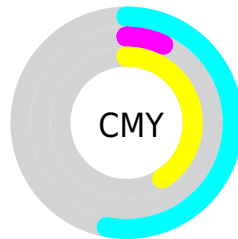
- Red (47%)
- Green (93%)
- Blue (59%)



- Red (47%)
- Yellow (83%)
- Blue (93%)



- Cyan (49%)
- Magenta (0%)
- Yellow (36%)
- Black (7%)





- Cyan (53%)
- Magenta (7%)
- Yellow (41%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 66.7958, 0.2902, 0.4445 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 66.7958, 0.2902, 0.4445 by changing the saturation by 10% instead.


 66.7958, 0.2902,
0.4445


 66.7958, 0.2902,
0.4445


449.2176, 0.3028,
0.3865


 48.9187, 0.2867,
0.4589


 114.6278, 0.2951,
0.4234

 34.5550, 0.2820,
0.4773


 145.3514, 0.2968,
0.4155

 23.3203, 0.2754,
0.5015


 181.1260, 0.2983,
0.4088

 14.8302, 0.2657,
0.5346

222.3360, 0.2995,
0.4031

 8.7003, 0.2505,
0.5820

269.3658, 0.3005,
0.3981

 4.5462, 0.2243,
0.6544

322.5997, 0.3014,

 1.9836, 0.1554,

0.3937

0.8446

382.4222, 0.3022,
0.3899

■ 0.5979, 0.0000,
1.0000

■ 0.0000, 0.0000,
0.0000

■ 66.7958, 0.2902,
0.4445

■ 66.7958, 0.2902,
0.4445

■ 64.7848, 0.2876,
0.4728

■ 69.3151, 0.2938,
0.4171

■ 63.2388, 0.2864,
0.5008


■ 72.3662, 0.2982,
0.3913

■ 62.1205, 0.2867,
0.5271


■ 75.9810, 0.3030,
0.3678

■ 61.3830, 0.2885,
0.5502

■ 80.1864, 0.3080,
0.3467

 60.9540, 0.2915,
0.5689

 85.0075, 0.3130,
0.3279

 60.9329, 0.2916,
0.5699

 89.0556, 0.3135,
0.3117

Harmonies

Analogous

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



66.7958, 0.3620, 0.4669



66.7958, 0.2902, 0.4445



66.7958, 0.2283, 0.3753

Triad

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



66.7958, 0.2902, 0.4445



66.7958, 0.2045, 0.2178



66.7958, 0.4505, 0.3358

Complementary

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



66.7958, 0.2902, 0.4445



35.8803, 0.3491, 0.2374

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.



66.7958, 0.3977, 0.2838



66.7958, 0.2902, 0.4445



66.7958, 0.2518, 0.2190

Square

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



66.7958, 0.2902, 0.4445



66.7958, 0.1841, 0.2428



66.7958, 0.3218, 0.2425



66.7958, 0.4589, 0.3913

Rectangle

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



66.7958, 0.2902, 0.4445



66.7958, 0.2006, 0.3219



66.7958, 0.3218, 0.2425



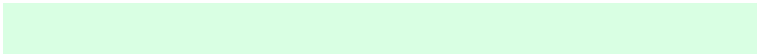
66.7958, 0.4372, 0.3177

Sweetspot

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



66.7986, 0.2902, 0.4445



91.7736, 0.3051, 0.3583



75.3032, 0.3634, 0.4590



19.4240, 0.3041, 0.3629



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.



66.7986, 0.2902, 0.4445



76.5235, 0.2877, 0.4724



69.1061, 0.2616, 0.3662



16.9278, 0.3080, 0.3468



33.2816, 0.2909, 0.5673



2.6289, 0.2834, 0.5403

Inverse Universe

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



35.8803, 0.3491, 0.2374



36.1832, 0.3591, 0.2220



33.6024, 0.4159, 0.2968



15.2416, 0.3178, 0.3118



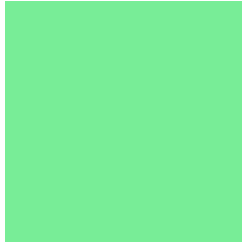
11.5242, 0.4016, 0.1986



0.9207, 0.3879, 0.1911

Previews

White Background



This preview shows how the Yxy color 66.7958, 0.2902, 0.4445 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 66.7958, 0.2902, 0.4445 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

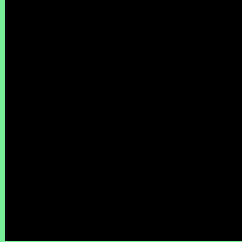
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 66.7958, 0.2902, 0.4445

Background



This preview shows how black text looks on a background with the Yxy color 66.7958, 0.2902, 0.4445.



This preview shows how white text looks on a background with the Yxy color 66.7958, 0.2902, 0.4445.

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

66.7958, 0.2902, 0.4445

Protanopia

65.8330, 0.3776, 0.4076

Deuteranopia

65.5391, 0.3842, 0.3756



Tritanopia

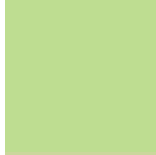
66.6751, 0.2521, 0.3074

Trichromacy



Original Color

66.7958, 0.2902, 0.4445



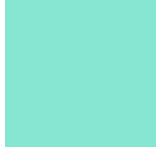
Protanomaly

64.7044, 0.3402, 0.4217



Deuteranomaly

63.6977, 0.3444, 0.3994



Tritanomaly

66.3151, 0.2658, 0.3542

Monochromacy



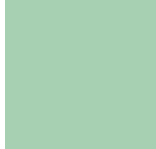
Original Color

66.7958, 0.2902, 0.4445



Achromatopsia

52.7115, 0.3127, 0.3290



Achromatomaly

56.3931, 0.3028, 0.3694

CSS Examples

Text

The CSS property to change the color of the text to Yxy 66.7958, 0.2902, 0.4445 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(120, 237, 151)` looks like.

```
.text, #text, p{  
    color:rgb(120, 237, 151)  
}
```

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(120, 237, 151) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(120, 237, 151) }
```

Border

The CSS property to change the border of an element to Yxy 66.7958, 0.2902, 0.4445 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(120, 237, 151) }
```

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

```
.border{ border-color:rgb(120, 237, 151) }
```

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

Here you see how a box with a 4 pixel `rgb(120, 237, 151)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(120, 237, 151); -webkit-box-shadow:4px 4px 4px 4px rgb(120, 237, 151); box-shadow:4px 4px 4px 4px rgb(120, 237, 151) }
```


Background

The CSS property to change the background color of an element to Yxy 66.7958, 0.2902, 0.4445 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(120, 237, 151) }
```

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

```
.background{ background-color: rgb(120,  
237, 151) }
```

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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