

Converting Colors

Yxy(54.6268, 0.2992, 0.4490)

Have a look what the booklet for
Yxy(54.6268, 0.2992, 0.4490)
contains.

Yxy(54.7983, 0.2990, 0.4485)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(54.7983, 0.2990, 0.4485)

Conversions

Conversions Part 1

Format	Color
Hex	78D885
RGB	120, 216, 133
RGB Percent	47%, 85%, 52%
CMY	0.5296, 0.1529, 0.4783
CMYK	0.44, 0.00, 0.38, 0.15
HSL	128°, 55%, 66%
HSV	128°, 44%, 85%
XYZ	36.5322, 54.7983, 30.8508
YIQ	177.8340, -30.5730, -46.1650

Conversions

Conversions Part 2

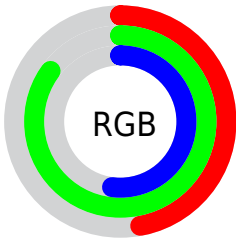
Format	Color
RYB	120, 205, 216
Decimal	7919749
CIELab	78.92, -45.62, 32.30
CIELCh	79, 55.900, 144.699
Yxy	54.7983, 0.2990, 0.4485
Android (android.graphics.Color)	4286109829 (0xFF78D885)
YUV	177.8340, -22.1032, -50.7204
Hunter-Lab	74.0259, -41.4545, 27.1086

Details

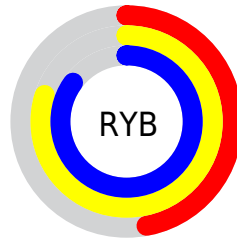
The Yxy color **54.7983, 0.2990, 0.4485** is a light color, and the websafe version is hex **66CC66**. A complement of this color would be **32.3322, 0.3309, 0.2336**, and the grayscale version is **44.5567, 0.3127, 0.3290**.

A 20% lighter version of the original color is **84.4550, 0.3032, 0.4074**, and **26.8076, 0.2922, 0.4851** is the 20% darker color. If you saturate the color by 10%, you get **52.9561, 0.2967, 0.4807**, and if you desaturate by 10%, it is **57.0850, 0.3018, 0.4173**.

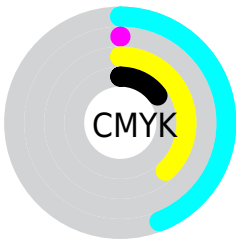
Distribution



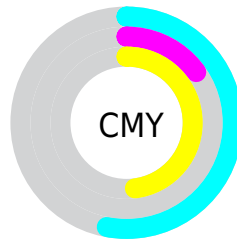
- Red (47%)
- Green (85%)
- Blue (52%)



- Red (47%)
- Yellow (80%)
- Blue (85%)



- Cyan (44%)
- Magenta (0%)
- Yellow (38%)
- Black (15%)




- Cyan (53%)
- Magenta (15%)
- Yellow (48%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 54.7983, 0.2990, 0.4485 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 54.7983, 0.2990, 0.4485 by changing the saturation by 10% instead.

 54.7983, 0.2990,
0.4485


 54.7983, 0.2990,
0.4485


405.1469, 0.3079,
0.3866

 39.2403, 0.2961,
0.4645


 97.2454, 0.3027,
0.4256

 26.9467, 0.2920,
0.4852


 124.9032, 0.3040,
0.4171

 17.5332, 0.2859,
0.5130


 157.3631, 0.3050,
0.4100

 10.6154, 0.2761,
0.5520

195.0094, 0.3058,
0.4039

 5.8088, 0.2588,
0.6097

238.2265, 0.3064,
0.3987

 2.7292, 0.2419,
0.7518

287.3989, 0.3070,

 0.9920, 0.0000,

0.3941

1.0000

342.9109, 0.3075,
0.3901

0.0000, 0.0000,
0.0000

54.7983, 0.2990,
0.4485

54.7983, 0.2990,
0.4485

52.9561, 0.2967,
0.4807

57.0850, 0.3018,
0.4173

51.5230, 0.2952,
0.5122

59.8353, 0.3049,
0.3883

50.4693, 0.2946,
0.5411


63.0756, 0.3081,
0.3619


49.7582, 0.2951,
0.5653

66.8280, 0.3113,
0.3385

49.3454, 0.2965,
0.5832

71.1137, 0.3144,
0.3180

 49.2069, 0.2973,
0.5902

 75.9523, 0.3173,
0.3001

 77.5963, 0.3145,
0.2910

Harmonies

Analogous

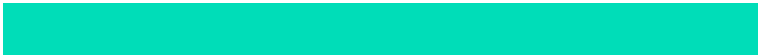
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



54.7983, 0.3699, 0.4642



54.7983, 0.2990, 0.4485



54.7983, 0.2356, 0.3843

Triad

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



54.7983, 0.2990, 0.4485



54.7983, 0.2017, 0.2205



54.7983, 0.4447, 0.3294

Complementary

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



54.7983, 0.2990, 0.4485



32.3322, 0.3309, 0.2336

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.



54.7983, 0.3883, 0.2787



54.7983, 0.2990, 0.4485



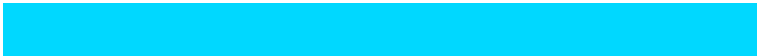
54.7983, 0.2456, 0.2187

Square

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



54.7983, 0.2990, 0.4485



54.7983, 0.1848, 0.2488



54.7983, 0.3127, 0.2396



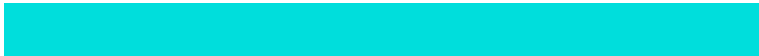
54.7983, 0.4588, 0.3843

Rectangle

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



54.7983, 0.2990, 0.4485



54.7983, 0.2058, 0.3313



54.7983, 0.3127, 0.2396



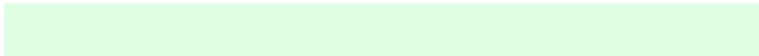
54.7983, 0.4298, 0.3116

Sweetspot

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



54.8006, 0.2990, 0.4485



92.5367, 0.3086, 0.3586



63.1963, 0.3680, 0.4419



19.5633, 0.3078, 0.3642



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.



54.8006, 0.2990, 0.4485



77.3442, 0.2969, 0.4775



56.4340, 0.2719, 0.3777



13.9232, 0.3097, 0.3498



29.1320, 0.2968, 0.5886



1.7662, 0.2897, 0.5629

Inverse Universe

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



32.3322, 0.3309, 0.2336



40.7487, 0.3355, 0.2164



30.3957, 0.3859, 0.2863



12.6023, 0.3158, 0.3091



10.7667, 0.3583, 0.1748



0.6576, 0.3509, 0.1707

Previews

White Background



This preview shows how the Yxy color 54.7983, 0.2990, 0.4485 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 54.7983, 0.2990, 0.4485 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

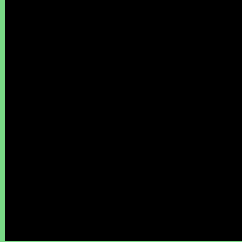
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 54.7983, 0.2990, 0.4485

Background



This preview shows how black text looks on a background with the Yxy color 54.7983, 0.2990, 0.4485.



This preview shows how white text looks on a background with the Yxy color 54.7983, 0.2990, 0.4485.

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

54.7983, 0.2990, 0.4485

Protanopia

53.8877, 0.3815, 0.4128

Deuteranopia

53.8343, 0.3894, 0.3816



Tritanopia

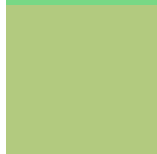
54.4255, 0.2576, 0.3070

Trichromacy



Original Color

54.7983, 0.2990, 0.4485



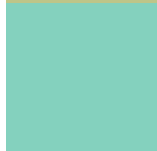
Protanomaly

53.2383, 0.3475, 0.4272



Deuteranomaly

52.6858, 0.3521, 0.4058



Tritanomaly

54.2242, 0.2723, 0.3548

Monochromacy



Original Color

54.7983, 0.2990, 0.4485



Achromatopsia

44.5201, 0.3127, 0.3290



Achromatomaly

47.4760, 0.3068, 0.3708

CSS Examples

Text

The CSS property to change the color of the text to Yxy 54.7983, 0.2990, 0.4485 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, 216, 133)` looks like.

```
.text, #text, p{  
    color:rgb(120, 216, 133)  
}
```

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, 216, 133) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(120, 216, 133) }
```

Border

The CSS property to change the border of an element to Yxy 54.7983, 0.2990, 0.4485 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, 216, 133) }
```

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

```
.border{ border-color:rgb(120, 216, 133) }
```

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

Here you see how a box with a 4 pixel `rgb(120, 216, 133)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(120, 216, 133); -webkit-box-  
shadow:4px 4px 4px 4px rgb(120, 216, 133);  
box-shadow:4px 4px 4px 4px rgb(120, 216,  
133) }
```


Background

The CSS property to change the background color of an element to Yxy 54.7983, 0.2990, 0.4485 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(120, 216, 133) }
```

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

```
.background{ background-color: rgb(120,  
216, 133) }
```

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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