

Converting Colors

$Yxy(54.7625, 0.2855, 0.4841)$

Have a look what the booklet for
Yxy(54.7625, 0.2855, 0.4841)
contains.

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Color

Yxy(54.5987, 0.2854, 0.4842)

Conversions

Conversions Part 1

Format	Color
Hex	4DDD76
RGB	77, 221, 118
RGB Percent	30%, 87%, 46%
CMY	0.6984, 0.1333, 0.5373
CMYK	0.65, 0.00, 0.47, 0.13
HSL	137°, 68%, 58%
HSV	137°, 65%, 87%
XYZ	32.1819, 54.5987, 25.9801
YIQ	166.2020, -52.7610, -62.5610

Conversions

Conversions Part 2

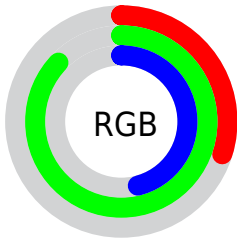
Format	Color
RYB	77, 189, 221
Decimal	5102966
CIELab	78.81, -60.17, 39.42
CIELCh	79, 71.930, 146.771
Yxy	54.5987, 0.2854, 0.4842
Android (android.graphics.Color)	4283293046 (0xFF4DDD76)
YUV	166.2020, -23.7636, -78.2302
Hunter-Lab	73.8909, -51.5666, 30.8773

Details

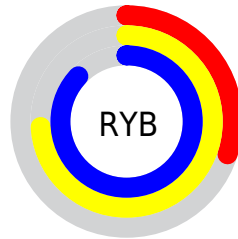
The Yxy color **54.5987, 0.2854, 0.4842** is a dark color, and the websafe version is hex **33CC66**. The color can be described as middle muted spring green. A complement of this color would be **23.9631, 0.3690, 0.2173**, and the grayscale version is **38.3628, 0.3127, 0.3290**.

A 20% lighter version of the original color is **80.0740, 0.2909, 0.4311**, and **27.3155, 0.2804, 0.5293** is the 20% darker color. If you saturate the color by 10%, you get **53.4889, 0.2850, 0.5109**, and if you desaturate by 10%, it is **56.0880, 0.2874, 0.4566**.

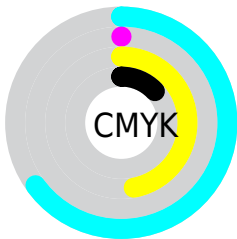
Distribution



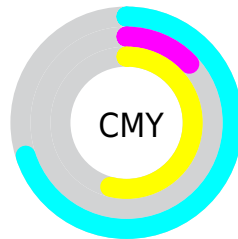
- Red (30%)
- Green (87%)
- Blue (46%)



- Red (30%)
- Yellow (74%)
- Blue (87%)



- Cyan (65%)
- Magenta (0%)
- Yellow (47%)
- Black (13%)




- Cyan (70%)
- Magenta (13%)
- Yellow (54%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 54.5987, 0.2854, 0.4842 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 54.5987, 0.2854, 0.4842 by changing the saturation by 10% instead.


 54.5987, 0.2854,
0.4842

 54.5987, 0.2854,
0.4842


404.3889, 0.3024,
0.4026


 39.0805, 0.2801,
0.5054


 96.9527, 0.2924,
0.4538


 26.8224, 0.2726,
0.5330


 124.5574, 0.2947,
0.4426

 17.4399, 0.2617,
0.5700


 156.9596, 0.2966,
0.4332

 10.5486, 0.2445,
0.6214

 194.5439, 0.2982,
0.4253

 5.7642, 0.2162,
0.6971

237.6946, 0.2995,
0.4184

 2.7022, 0.1589,
0.8411

286.7960, 0.3006,

 0.9783, 0.0000,

0.4125

1.0000

342.2327, 0.3016,
0.4072

■ 0.0000, 0.0000,
0.0000

■ 54.5987, 0.2854,
0.4842

■ 54.5987, 0.2854,
0.4842

■ 53.4889, 0.2850,
0.5109

■ 56.0880, 0.2874,
0.4566

■ 52.7155, 0.2861,
0.5354

■ 57.9814, 0.2906,
0.4294

■ 52.2368, 0.2888,
0.5563

■ 60.3093, 0.2947,
0.4035


■ 52.0775, 0.2903,
0.5650


■ 63.0971, 0.2995,
0.3795

■ 66.3684, 0.3047,
0.3577

 70.1448, 0.3100,
0.3382

 74.4471, 0.3152,
0.3210

 79.2944, 0.3204,
0.3060

 80.1985, 0.3143,
0.2960

Harmonies

Analogous

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



54.5987, 0.3736, 0.5036



54.5987, 0.2854, 0.4842



54.5987, 0.2094, 0.3934

Triad

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



54.5987, 0.2854, 0.4842



54.5987, 0.1785, 0.1935



54.5987, 0.4854, 0.3296

Complementary

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



54.5987, 0.2854, 0.4842



23.9631, 0.3690, 0.2173

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.



54.5987, 0.4156, 0.2691



54.5987, 0.2854, 0.4842



54.5987, 0.2326, 0.1947

Square

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



54.5987, 0.2854, 0.4842



54.5987, 0.1562, 0.2228



54.5987, 0.3177, 0.2214



54.5987, 0.4957, 0.3956

Rectangle

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



54.5987, 0.2854, 0.4842



54.5987, 0.1760, 0.3221



54.5987, 0.3177, 0.2214



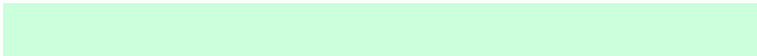
54.5987, 0.4679, 0.3085

Sweetspot

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



54.6009, 0.2854, 0.4842



89.4476, 0.3021, 0.3682



61.9788, 0.3697, 0.4975



18.8769, 0.3006, 0.3745



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.



54.6009, 0.2854, 0.4842



73.5514, 0.2852, 0.5196



57.0016, 0.2499, 0.3731



14.6670, 0.3077, 0.3462



30.2662, 0.2895, 0.5623



1.9755, 0.2804, 0.5294

Inverse Universe

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



23.9631, 0.3690, 0.2173



28.1891, 0.3851, 0.2053



21.7562, 0.4786, 0.2960



13.2082, 0.3181, 0.3124



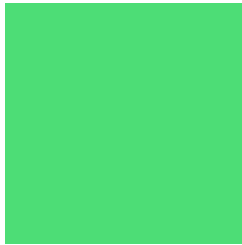
10.3843, 0.4085, 0.2024



0.6873, 0.3910, 0.1927

Previews

White Background



This preview shows how the Yxy color 54.5987, 0.2854, 0.4842 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 54.5987, 0.2854, 0.4842 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 54.5987, 0.2854, 0.4842

Background



This preview shows how black text looks on a background with the Yxy color 54.5987, 0.2854, 0.4842.



This preview shows how white text looks on a background with the Yxy color 54.5987, 0.2854, 0.4842.

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

54.5987, 0.2854, 0.4842

Protanopia

53.8124, 0.3948, 0.4297

Deuteranopia

53.3860, 0.4023, 0.3944



Tritanopia

54.4069, 0.2419, 0.3064

Trichromacy



Original Color

54.5987, 0.2854, 0.4842



Protanomaly

52.2481, 0.3452, 0.4528



Deuteranomaly

51.0735, 0.3492, 0.4273



Tritanomaly

53.7730, 0.2572, 0.3659

Monochromacy



Original Color

54.5987, 0.2854, 0.4842



Achromatopsia

38.1326, 0.3127, 0.3290



Achromatomaly

42.3561, 0.2982, 0.3849

CSS Examples

Text

The CSS property to change the color of the text to Yxy 54.5987, 0.2854, 0.4842 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(77, 221, 118)` looks like.

```
.text, #text, p{  
    color:rgb(77, 221, 118)  
}
```

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(77, 221, 118) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(77, 221, 118) }
```

Border

The CSS property to change the border of an element to Yxy 54.5987, 0.2854, 0.4842 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(77, 221, 118) }
```

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

```
.border{ border-color:rgb(77, 221, 118) }
```

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

Here you see how a box with a 4 pixel `rgb(77, 221, 118)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(77, 221, 118); -webkit-box-shadow:4px 4px 4px 4px rgb(77, 221, 118); box-shadow:4px 4px 4px 4px rgb(77, 221, 118) }
```


Background

The CSS property to change the background color of an element to Yxy 54.5987, 0.2854, 0.4842 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(77, 221, 118) }
```

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

```
.background{ background-color: rgb(77, 221,  
118) }
```

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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