

Converting Colors

$Yxy(53.0952, 0.2835, 0.4556)$

Have a look what the booklet for
Yxy(53.0952, 0.2835, 0.4556)
contains.

Yxy(52.9513, 0.2834, 0.4557)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(52.9513, 0.2834, 0.4557)

Conversions

Conversions Part 1

Format	Color
Hex	5AD884
RGB	90, 216, 132
RGB Percent	35%, 85%, 52%
CMY	0.6474, 0.1529, 0.4823
CMYK	0.58, 0.00, 0.39, 0.15
HSL	140°, 62%, 60%
HSV	140°, 58%, 85%
XYZ	32.9304, 52.9513, 30.3160
YIQ	168.7500, -48.1320, -52.8360

Conversions

Conversions Part 2

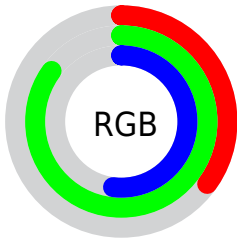
Format	Color
RYB	90, 185, 216
Decimal	5953668
CIELab	77.85, -53.34, 31.21
CIELCh	78, 61.794, 149.668
Yxy	52.9513, 0.2834, 0.4557
Android (android.graphics.Color)	4284143748 (0xFF5AD884)
YUV	168.7500, -18.1178, -69.0637
Hunter-Lab	72.7676, -46.5646, 26.2363

Details

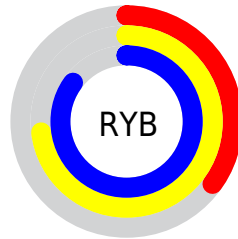
The Yxy color **52.9513, 0.2834, 0.4557** is a dark color, and the websafe version is hex **66CC66**. The color can be described as middle muted spring green. A complement of this color would be **24.9501, 0.3691, 0.2326**, and the grayscale version is **39.6444, 0.3127, 0.3290**.

A 20% lighter version of the original color is **81.5492, 0.2890, 0.4120**, and **25.7744, 0.2722, 0.4964** is the 20% darker color. If you saturate the color by 10%, you get **51.6572, 0.2816, 0.4816**, and if you desaturate by 10%, it is **54.6186, 0.2866, 0.4301**.

Distribution



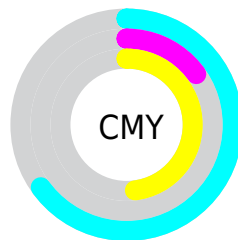
- Red (35%)
- Green (85%)
- Blue (52%)



- Red (35%)
- Yellow (73%)
- Blue (85%)



- Cyan (58%)
- Magenta (0%)
- Yellow (39%)
- Black (15%)





- Cyan (65%)
- Magenta (15%)
- Yellow (48%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 52.9513, 0.2834, 0.4557 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 52.9513, 0.2834, 0.4557 by changing the saturation by 10% instead.


 52.9513, 0.2834,
0.4557


 52.9513, 0.2834,
0.4557


398.0983, 0.3002,
0.3892


 37.7639, 0.2785,
0.4731


 94.5327, 0.2900,
0.4309

 25.7995, 0.2719,
0.4959


 121.6955, 0.2923,
0.4218

 16.6737, 0.2623,
0.5267


 153.6189, 0.2942,
0.4141

 10.0021, 0.2478,
0.5705

 190.6872, 0.2958,
0.4077

 5.4004, 0.2236,
0.6361

233.2849, 0.2972,
0.4021

 2.4840, 0.1882,
0.8118

281.7964, 0.2983,

 0.8686, 0.0000,

0.3972

1.0000

336.6061, 0.2993,
0.3930

0.0000, 0.0000,
0.0000

52.9513, 0.2834,
0.4557

52.9513, 0.2834,
0.4557

51.6572, 0.2816,
0.4816

54.6186, 0.2866,
0.4301

50.6995, 0.2816,
0.5066

56.6795, 0.2910,
0.4056

50.0449, 0.2833,
0.5298

59.1604, 0.2961,
0.3827

49.6414, 0.2864,
0.5499

62.0836, 0.3018,
0.3618

49.5878, 0.2869,
0.5529

65.4698, 0.3077,
0.3431

■ 69.3384, 0.3137,
0.3264

■ 73.7076, 0.3196,
0.3118

■ 77.1015, 0.3198,
0.2985

■ 77.5984, 0.3145,
0.2911

Harmonies

Analogous

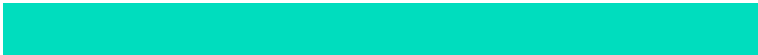
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



52.9513, 0.3617, 0.4818



52.9513, 0.2834, 0.4557



52.9513, 0.2173, 0.3760

Triad

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



52.9513, 0.2834, 0.4557



52.9513, 0.1966, 0.2074



52.9513, 0.4664, 0.3376

Complementary

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



52.9513, 0.2834, 0.4557



24.9501, 0.3691, 0.2326

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.



52.9513, 0.4099, 0.2815



52.9513, 0.2834, 0.4557



52.9513, 0.2487, 0.2103

Square

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



52.9513, 0.2834, 0.4557



52.9513, 0.1735, 0.2322



52.9513, 0.3261, 0.2366



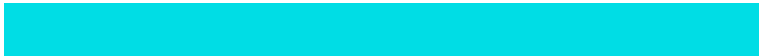
52.9513, 0.4721, 0.3975

Rectangle

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



52.9513, 0.2834, 0.4557



52.9513, 0.1887, 0.3163



52.9513, 0.3261, 0.2366



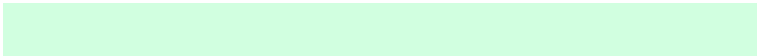
52.9513, 0.4526, 0.3182

Sweetspot

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



52.9535, 0.2834, 0.4557



90.4947, 0.3019, 0.3614



58.8511, 0.3612, 0.4848



19.0864, 0.3002, 0.3673



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.



52.9535, 0.2834, 0.4557



74.8572, 0.2815, 0.4874



55.2273, 0.2506, 0.3584



13.9637, 0.3071, 0.3449



29.3650, 0.2862, 0.5501



1.7863, 0.2762, 0.5145

Inverse Universe

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



24.9501, 0.3691, 0.2326



30.4567, 0.3864, 0.2189



23.0435, 0.4614, 0.3052



12.5589, 0.3188, 0.3136



9.8518, 0.4268, 0.2125



0.6093, 0.4040, 0.1999

Previews

White Background



This preview shows how the Yxy color 52.9513, 0.2834, 0.4557 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 52.9513, 0.2834, 0.4557 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

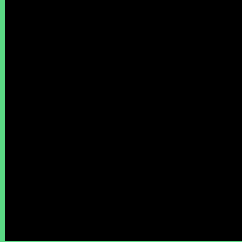
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 52.9513, 0.2834, 0.4557

Background



This preview shows how black text looks on a background with the Yxy color 52.9513, 0.2834, 0.4557.

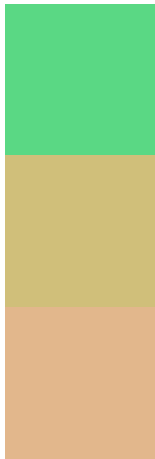


This preview shows how white text looks on a background with the Yxy color 52.9513, 0.2834, 0.4557.

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

52.9513, 0.2834, 0.4557

Protanopia

52.0766, 0.3817, 0.4128

Deuteranopia

51.9292, 0.3871, 0.3790



Tritanopia

52.5814, 0.2451, 0.3062

Trichromacy



Original Color

52.9513, 0.2834, 0.4557



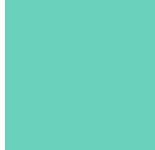
Protanomaly

50.8142, 0.3379, 0.4299



Deuteranomaly

50.1835, 0.3415, 0.4064



Tritanomaly

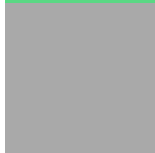
52.3392, 0.2589, 0.3572

Monochromacy



Original Color

52.9513, 0.2834, 0.4557



Achromatopsia

39.6755, 0.3127, 0.3290



Achromatomaly

43.0936, 0.2978, 0.3733

CSS Examples

Text

The CSS property to change the color of the text to Yxy 52.9513, 0.2834, 0.4557 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(90, 216, 132)` looks like.

```
.text, #text, p{  
    color:rgb(90, 216, 132)  
}
```

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(90, 216, 132) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(90, 216, 132) }
```

Border

The CSS property to change the border of an element to Yxy 52.9513, 0.2834, 0.4557 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(90, 216, 132) }
```

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

```
.border{ border-color:rgb(90, 216, 132) }
```

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

Here you see how a box with a 4 pixel `rgb(90, 216, 132)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(90, 216, 132); -webkit-box-  
shadow:4px 4px 4px 4px rgb(90, 216, 132);  
box-shadow:4px 4px 4px 4px rgb(90, 216,  
132) }
```


Background

The CSS property to change the background color of an element to Yxy 52.9513, 0.2834, 0.4557 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(90, 216, 132) }
```

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

```
.background{ background-color: rgb(90, 216,  
132) }
```

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