

Converting Colors

$Y_{xy}(54.5780, 0.2638, 0.3172)$

Have a look what the booklet for
Yxy(54.5780, 0.2638, 0.3172)
contains.

Yxy(54.7484, 0.2639, 0.3185)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(54.7484, 0.2639, 0.3185)

Conversions

Conversions Part 1

Format	Color
Hex	8ECED6
RGB	142, 206, 214
RGB Percent	56%, 81%, 84%
CMY	0.4431, 0.1921, 0.1608
CMYK	0.34, 0.04, 0.00, 0.16
HSL	187°, 47%, 70%
HSV	187°, 34%, 84%
XYZ	45.3630, 54.7484, 71.7831
YIQ	187.7760, -40.7120, -11.0800

Conversions

Conversions Part 2

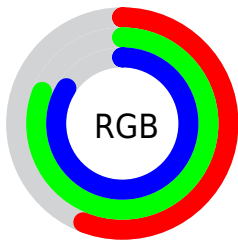
Format	Color
R _{YB}	142, 176, 214
Decimal	9359062
CIE Lab	78.90, -18.29, -10.45
CIE LCh	79, 21.068, 209.747
Yxy	54.7484, 0.2639, 0.3185
Android (android.graphics.Color)	4287549142 (0xFF8ECED6)
YUV	187.7760, 12.9284, -40.1456
Hunter-Lab	73.9922, -20.0519, -5.7254

Details

The Yxy color **54.7484, 0.2639, 0.3185** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **38.0553, 0.3878, 0.3391**, and the grayscale version is **50.0996, 0.3127, 0.3290**.

A 20% lighter version of the original color is **90.7458, 0.2794, 0.3289**, and **27.0344, 0.2518, 0.3164** is the 20% darker color. If you saturate the color by 10%, you get **51.9023, 0.2516, 0.3149**, and if you desaturate by 10%, it is **57.9794, 0.2774, 0.3219**.

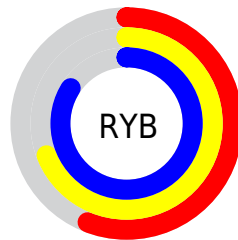
Distribution



Red (56%)

Green (81%)

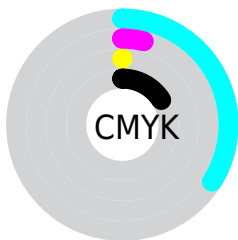
Blue (84%)



Red (56%)

Yellow (69%)

Blue (84%)

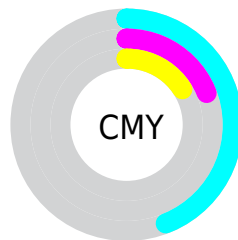


Cyan (34%)

Magenta (4%)

Yellow (0%)

Black (16%)



Cyan (44%)

Magenta (19%)

Yellow (16%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 54.7484, 0.2639, 0.3185 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 54.7484, 0.2639, 0.3185 by changing the saturation by 10% instead.


 54.7484, 0.2639,
0.3185


 54.7484, 0.2639,
0.3185


404.9575, 0.2873,
0.3240

 39.2003, 0.2584,
0.3170

 97.1722, 0.2722,
0.3206

 26.9156, 0.2515,
0.3151


 124.8168, 0.2753,
0.3213

 17.5098, 0.2425,
0.3126


157.2622, 0.2780,
0.3220

 10.5987, 0.2306,
0.3089

194.8930, 0.2804,
0.3225

 5.7977, 0.2140,
0.3032

238.0936, 0.2824,
0.3230

 2.7224, 0.1892,
0.2937

287.2482, 0.2842,

 0.9886, 0.1380,

0.3234

0.2786

342.7414, 0.2858,
0.3237

0.0000, 0.0000,
0.0000

54.7484, 0.2639,
0.3185

54.7484, 0.2639,
0.3185

51.9023, 0.2516,
0.3149

57.9794, 0.2774,
0.3219

49.4136, 0.2409,
0.3112

61.6081, 0.2919,
0.3251

47.2615, 0.2319,
0.3073

65.6545, 0.3071,
0.3280

45.4201, 0.2248,
0.3035

70.1355, 0.3226,
0.3307

43.8596, 0.2196,
0.2996

75.0669, 0.3383,
0.3331

■ 42.5438, 0.2163,
0.2958

■ 77.4254, 0.3424,
0.3354

■ 41.7949, 0.2148,
0.2934

■ 78.6812, 0.3420,
0.3378

■ 79.9548, 0.3416,
0.3401

■ 81.2462, 0.3412,
0.3425

Harmonies

Analogous

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



54.7484, 0.2799, 0.3451



54.7484, 0.2639, 0.3185



54.7484, 0.2605, 0.2965

Triad

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



54.7484, 0.2639, 0.3185



54.7484, 0.3187, 0.2943



54.7484, 0.3561, 0.3744

Complementary

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



54.7484, 0.2639, 0.3185



38.0553, 0.3878, 0.3391

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.



54.7484, 0.3678, 0.3583



54.7484, 0.2639, 0.3185



54.7484, 0.3458, 0.3129

Square

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



54.7484, 0.2639, 0.3185



54.7484, 0.2911, 0.2840



54.7484, 0.3641, 0.3359



54.7484, 0.3328, 0.3784

Rectangle

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



54.7484, 0.2639, 0.3185



54.7484, 0.2655, 0.2872



54.7484, 0.3641, 0.3359



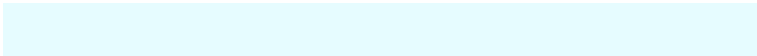
54.7484, 0.3615, 0.3701

Sweetspot

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



54.7506, 0.2639, 0.3185



93.6900, 0.2972, 0.3261



56.0128, 0.3036, 0.4185



19.8749, 0.2951, 0.3257



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.



54.7506, 0.2639, 0.3185



78.5089, 0.2554, 0.3161



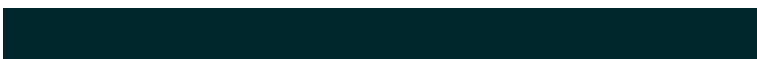
39.6552, 0.2577, 0.2702



13.8617, 0.2983, 0.3263



25.3619, 0.2150, 0.2939



1.5983, 0.2168, 0.3005

Inverse Universe

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



38.0984, 0.3240, 0.2543



50.5555, 0.3267, 0.2397



51.0258, 0.3736, 0.3813



12.6079, 0.3155, 0.3085



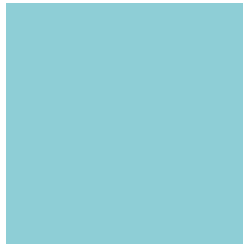
10.9052, 0.3508, 0.1706



0.6647, 0.3450, 0.1674

Previews

White Background



This preview shows how the Yxy color 54.7484, 0.2639, 0.3185 looks on a white background.

Color Contrast Check

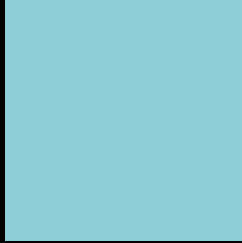
Large Text (above 18pt) WCAG AA × Fail

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 54.7484, 0.2639, 0.3185 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

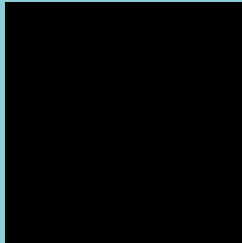
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

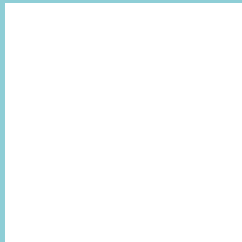
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 54.7484, 0.2639, 0.3185

Background



This preview shows how black text looks on a background with the Yxy color 54.7484, 0.2639, 0.3185.

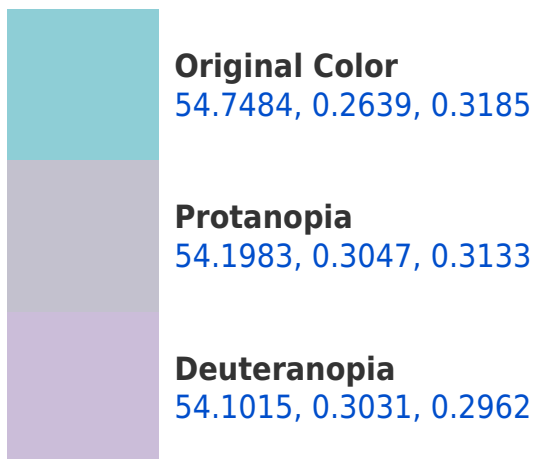


This preview shows how white text looks on a background with the Yxy color 54.7484, 0.2639, 0.3185.

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





Tritanopia

54.8124, 0.2610, 0.3084

Trichromacy



Original Color

54.7484, 0.2639, 0.3185

Protanomaly

54.2217, 0.2884, 0.3152

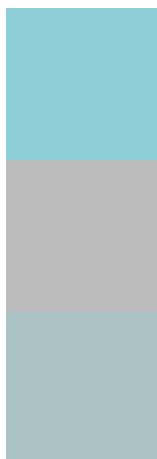
Deuteranomaly

53.8118, 0.2872, 0.3033

Tritanomaly

54.5642, 0.2621, 0.3121

Monochromacy



Original Color

54.7484, 0.2639, 0.3185

Achromatopsia

50.2886, 0.3127, 0.3290

Achromatomaly

51.7194, 0.2927, 0.3264

CSS Examples

Text

The CSS property to change the color of the text to Yxy 54.7484, 0.2639, 0.3185 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(142, 206, 214)` looks like.

```
.text, #text, p{  
    color:rgb(142, 206, 214)  
}
```

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(142, 206, 214) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(142, 206, 214) }
```

Border

The CSS property to change the border of an element to Yxy 54.7484, 0.2639, 0.3185 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(142, 206, 214) }
```

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

```
.border{ border-color:rgb(142, 206, 214) }
```

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

Here you see how a box with a 4 pixel rgb(142, 206, 214) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(142, 206, 214); -webkit-box-  
shadow:4px 4px 4px 4px rgb(142, 206, 214);  
box-shadow:4px 4px 4px 4px rgb(142, 206,  
214) }
```


Background

The CSS property to change the background color of an element to Yxy 54.7484, 0.2639, 0.3185 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(142, 206, 214) }
```

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

```
.background{ background-color: rgb(142,  
206, 214) }
```

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