

Converting Colors

$Y_{xy}(44.8504, 0.2686, 0.3216)$

Have a look what the booklet for
Yxy(44.8504, 0.2686, 0.3216)
contains.

Yxy(44.8850, 0.2685, 0.3218)	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(44.8850, 0.2685, 0.3218)

Conversions

Conversions Part 1

Format	Color
Hex	86BCC1
RGB	134, 188, 193
RGB Percent	53%, 74%, 76%
CMY	0.4742, 0.2628, 0.2431
CMYK	0.31, 0.03, 0.00, 0.24
HSL	185°, 32%, 64%
HSV	185°, 31%, 76%
XYZ	37.4507, 44.8850, 57.1454
YIQ	172.4240, -33.7890, -9.8930

Conversions

Conversions Part 2

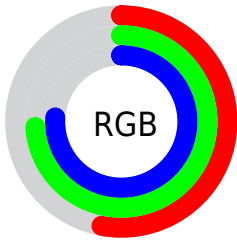
Format	Color
RYB	134, 162, 193
Decimal	8830145
CIELab	72.82, -16.27, -8.19
CIElCh	73, 18.216, 206.734
Yxy	44.8850, 0.2685, 0.3218
Android (android.graphics.Color)	4287020225 (0xFF86BCC1)
YUV	172.4240, 10.1440, -33.6978
Hunter-Lab	66.9963, -17.4626, -3.6748

Details

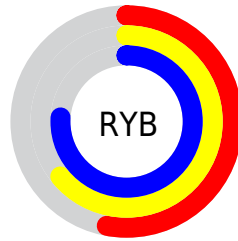
The Yxy color **44.8850, 0.2685, 0.3218** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **31.5578, 0.3786, 0.3360**, and the grayscale version is **41.4508, 0.3127, 0.3290**.

A 20% lighter version of the original color is **82.3597, 0.2766, 0.3235**, and **21.0152, 0.2562, 0.3190** is the 20% darker color. If you saturate the color by 10%, you get **42.7431, 0.2561, 0.3191**, and if you desaturate by 10%, it is **47.3280, 0.2821, 0.3243**.

Distribution



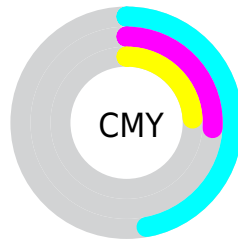
- Red (53%)
- Green (74%)
- Blue (76%)



- Red (53%)
- Yellow (64%)
- Blue (76%)



- Cyan (31%)
- Magenta (3%)
- Yellow (0%)
- Black (24%)



- Cyan (47%)
- Magenta (26%)
- Yellow (24%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 44.8850, 0.2685, 0.3218 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 44.8850, 0.2685, 0.3218 by changing the saturation by 10% instead.

■ 44.8850, 0.2685,
0.3218

■ 44.8850, 0.2685,
0.3218

■ 366.3076, 0.2905,
0.3258

■ 31.3669, 0.2631,
0.3207

■ 82.5478, 0.2764,
0.3233

■ 20.8784, 0.2562,
0.3192

■ 107.4613, 0.2794,
0.3239

■ 13.0351, 0.2470,
0.3171

■ 136.9420, 0.2820,
0.3243

■ 7.4527, 0.2344,
0.3139

■ 171.3743, 0.2841,
0.3247

■ 3.7468, 0.2159,
0.3087

■ 211.1426, 0.2860,
0.3250

■ 1.5330, 0.1865,
0.2989

■ 256.6313, 0.2877,

■ 0.3118, 0.0000,

0.3253

0.2547

308.2249, 0.2891,
0.3256

0.0000, 0.0000,
0.0000

44.8850, 0.2685,
0.3218

44.8850, 0.2685,
0.3218

42.7431, 0.2561,
0.3191

47.3280, 0.2821,
0.3243

40.8812, 0.2451,
0.3163

50.0812, 0.2967,
0.3267

39.2837, 0.2359,
0.3134

53.1601, 0.3119,
0.3289

37.9314, 0.2285,
0.3105

56.5775, 0.3274,
0.3309

36.8023, 0.2230,
0.3076

60.3455, 0.3431,
0.3327

■ 35.8706, 0.2194,
0.3047

■ 64.4755, 0.3586,
0.3342

■ 35.1224, 0.2172,
0.3020

■ 66.1871, 0.3623,
0.3359

■ 66.9504, 0.3619,
0.3376

■ 67.7220, 0.3616,
0.3393

Harmonies

Analogous

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



44.8850, 0.2844, 0.3462



44.8850, 0.2685, 0.3218



44.8850, 0.2640, 0.3007

Triad

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



44.8850, 0.2685, 0.3218



44.8850, 0.3157, 0.2954



44.8850, 0.3545, 0.3699

Complementary

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



44.8850, 0.2685, 0.3218



31.5578, 0.3786, 0.3360

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.



44.8850, 0.3639, 0.3544



44.8850, 0.2685, 0.3218



44.8850, 0.3410, 0.3121

Square

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



44.8850, 0.2685, 0.3218



44.8850, 0.2905, 0.2868



44.8850, 0.3589, 0.3333



44.8850, 0.3338, 0.3748

Rectangle

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



44.8850, 0.2685, 0.3218



44.8850, 0.2680, 0.2914



44.8850, 0.3589, 0.3333



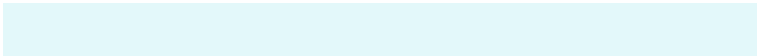
44.8850, 0.3591, 0.3657

Sweetspot

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



44.8868, 0.2685, 0.3218



90.4181, 0.2988, 0.3270



45.0824, 0.3052, 0.4098



19.2322, 0.2966, 0.3267



97.7402, 0.3127, 0.3290



20.4902, 0.3127, 0.3290

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



44.8868, 0.2685, 0.3218



77.6253, 0.2596, 0.3199



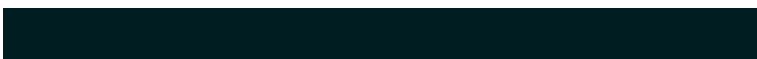
33.5972, 0.2636, 0.2784



11.2769, 0.2984, 0.3270



23.4166, 0.2173, 0.3024



1.0558, 0.2191, 0.3088

Inverse Universe

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



32.0424, 0.3212, 0.2598



50.9797, 0.3235, 0.2441



41.2361, 0.3670, 0.3747



10.2322, 0.3150, 0.3082



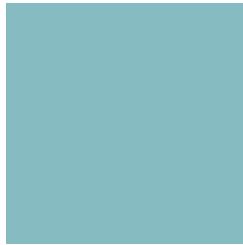
9.6462, 0.3433, 0.1665



0.4212, 0.3378, 0.1634

Previews

White Background



This preview shows how the Yxy color 44.8850, 0.2685, 0.3218 looks on a white background.

Color Contrast Check

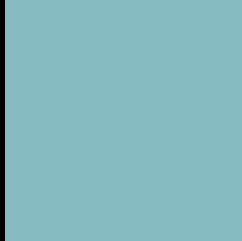
Large Text (above 18pt) WCAG AA × Fail

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 44.8850, 0.2685, 0.3218 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

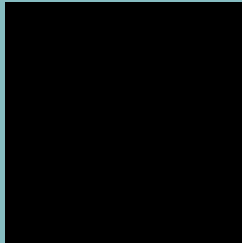
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

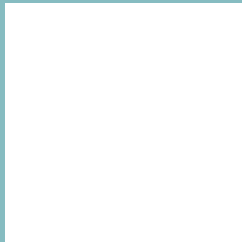
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 44.8850, 0.2685, 0.3218

Background



This preview shows how black text looks on a background with the Yxy color 44.8850, 0.2685, 0.3218.



This preview shows how white text looks on a background with the Yxy color 44.8850, 0.2685, 0.3218.

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

44.8850, 0.2685, 0.3218

Protanopia

44.5732, 0.3072, 0.3172

Deuteranopia

44.4375, 0.3063, 0.2998



Tritanopia

45.0392, 0.2640, 0.3081

Trichromacy



Original Color

44.8850, 0.2685, 0.3218

Protanomaly

44.5084, 0.2917, 0.3181

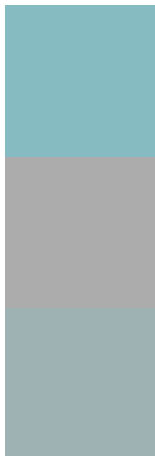
Deuteranomaly

44.1058, 0.2912, 0.3064

Tritanomaly

44.8151, 0.2652, 0.3122

Monochromacy



Original Color

44.8850, 0.2685, 0.3218

Achromatopsia

41.2543, 0.3127, 0.3290

Achromatomaly

42.4052, 0.2943, 0.3262

CSS Examples

Text

The CSS property to change the color of the text to Yxy 44.8850, 0.2685, 0.3218 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(134, 188, 193)` looks like.

```
.text, #text, p{  
    color:rgb(134, 188, 193)  
}
```

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(134, 188, 193) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(134, 188, 193) }
```

Border

The CSS property to change the border of an element to Yxy 44.8850, 0.2685, 0.3218 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(134, 188, 193) }
```

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

```
.border{ border-color:rgb(134, 188, 193) }
```

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

Here you see how a box with a 4 pixel `rgb(134, 188, 193)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(134, 188, 193); -webkit-box-  
shadow:4px 4px 4px 4px rgb(134, 188, 193);  
box-shadow:4px 4px 4px 4px rgb(134, 188,  
193) }
```


Background

The CSS property to change the background color of an element to Yxy 44.8850, 0.2685, 0.3218 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(134, 188, 193) }
```

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

```
.background{ background-color: rgb(134,  
188, 193) }
```

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