

Converting Colors

$Y_{xy}(54.9850, 0.2601, 0.3342)$

Have a look what the booklet for
Yxy(54.9850, 0.2601, 0.3342)
contains.

Yxy(54.9850, 0.2601, 0.3342)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(54.9850, 0.2601, 0.3342)

Conversions

Conversions Part 1

Format	Color
Hex	7ED2CE
RGB	126, 210, 206
RGB Percent	49%, 82%, 81%
CMY	0.5058, 0.1765, 0.1922
CMYK	0.40, 0.00, 0.02, 0.18
HSL	177°, 48%, 66%
HSV	177°, 40%, 82%
XYZ	42.7935, 54.9850, 66.7487
YIQ	184.4280, -48.7800, -19.0520

Conversions

Conversions Part 2

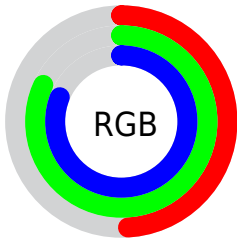
Format	Color
RYB	126, 169, 210
Decimal	8311502
CIELab	79.03, -26.40, -6.05
CIELCh	79, 27.086, 192.906
Yxy	54.9850, 0.2601, 0.3342
Android (android.graphics.Color)	4286501582 (0xFF7ED2CE)
YUV	184.4280, 10.6350, -51.2414
Hunter-Lab	74.1519, -26.7523, -1.4643

Details

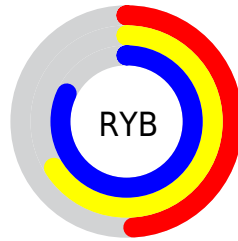
The Yxy color **54.9850, 0.2601, 0.3342** is a light color, and the websafe version is hex **66CCCC**. A complement of this color would be **30.2424, 0.4082, 0.3242**, and the grayscale version is **48.1460, 0.3127, 0.3290**.

A 20% lighter version of the original color is **88.6851, 0.2711, 0.3289**, and **27.0118, 0.2465, 0.3343** is the 20% darker color. If you saturate the color by 10%, you get **53.5059, 0.2503, 0.3357**, and if you desaturate by 10%, it is **56.8038, 0.2715, 0.3328**.

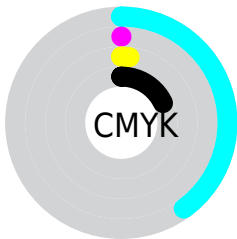
Distribution



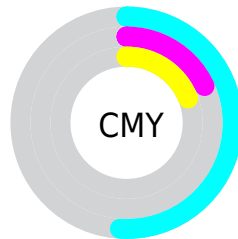
- Red (49%)
- Green (82%)
- Blue (81%)



- Red (49%)
- Yellow (66%)
- Blue (82%)



- Cyan (40%)
- Magenta (0%)
- Yellow (2%)
- Black (18%)





- Cyan (51%)
- Magenta (18%)
- Yellow (19%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 54.9850, 0.2601, 0.3342 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 54.9850, 0.2601, 0.3342 by changing the saturation by 10% instead.


 54.9850, 0.2601,
0.3342

 54.9850, 0.2601,
0.3342


405.8551, 0.2853,
0.3321

 39.3897, 0.2541,
0.3346

 97.5190, 0.2690,
0.3335

 27.0630, 0.2466,
0.3350

 125.2265, 0.2724,
0.3333

 17.6206, 0.2370,
0.3354


 157.7401, 0.2754,
0.3330

 10.6779, 0.2240,
0.3358

195.4444, 0.2779,
0.3328

 5.8507, 0.2059,
0.3359

238.7236, 0.2801,
0.3326

 2.7545, 0.1790,
0.3351

287.9622, 0.2821,

 1.0050, 0.1043,

0.3324

0.3427

343.5445, 0.2838,
0.3323

0.0000, 0.0000,
0.0000

54.9850, 0.2601,
0.3342

54.9850, 0.2601,
0.3342

53.5059, 0.2503,
0.3357

56.8038, 0.2715,
0.3328

52.3389, 0.2423,
0.3373

58.9752, 0.2843,
0.3314

51.4627, 0.2362,
0.3388


61.5190, 0.2981,
0.3302

50.8503, 0.2321,
0.3404


64.4521, 0.3127,
0.3290


50.4700, 0.2297,
0.3420

67.7899, 0.3279,
0.3280


 50.2635, 0.2288,
0.3435

 71.5473, 0.3432,
0.3270

 50.2633, 0.2288,
0.3435

 72.1577, 0.3447,
0.3260

 72.2087, 0.3440,
0.3250

 72.2600, 0.3433,
0.3240

Harmonies

Analogous

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



54.9850, 0.2874, 0.3678



54.9850, 0.2601, 0.3342



54.9850, 0.2468, 0.3014

Triad

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



54.9850, 0.2601, 0.3342



54.9850, 0.2997, 0.2763



54.9850, 0.3790, 0.3764

Complementary

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



54.9850, 0.2601, 0.3342



30.2424, 0.4082, 0.3242

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.



54.9850, 0.3835, 0.3501



54.9850, 0.2601, 0.3342



54.9850, 0.3362, 0.2943

Square

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



54.9850, 0.2601, 0.3342



54.9850, 0.2686, 0.2704



54.9850, 0.3675, 0.3206



54.9850, 0.3562, 0.3919

Rectangle

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



54.9850, 0.2601, 0.3342



54.9850, 0.2470, 0.2848



54.9850, 0.3675, 0.3206



54.9850, 0.3828, 0.3684

Sweetspot

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



54.9872, 0.2601, 0.3342



94.5577, 0.2951, 0.3304



52.3640, 0.3098, 0.4500



20.1240, 0.2932, 0.3306



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.



54.9872, 0.2601, 0.3342



83.3241, 0.2516, 0.3355



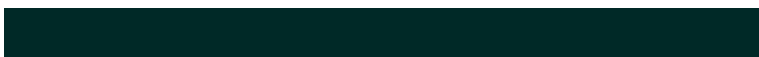
38.6765, 0.2497, 0.2757



13.3970, 0.2989, 0.3301



30.6641, 0.2287, 0.3433



1.7176, 0.2279, 0.3404

Inverse Universe

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



30.2424, 0.4082, 0.3242



39.7733, 0.4406, 0.3234



41.6932, 0.3935, 0.3764



11.8172, 0.3283, 0.3279



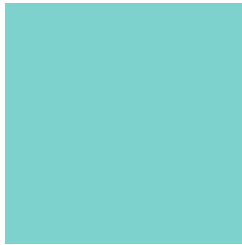
8.3754, 0.6345, 0.3269



0.4716, 0.6167, 0.3171

Previews

White Background



This preview shows how the Yxy color 54.9850, 0.2601, 0.3342 looks on a white background.

Color Contrast Check

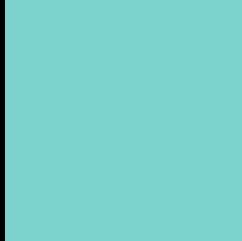
Large Text (above 18pt) WCAG AA × Fail

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 54.9850, 0.2601, 0.3342 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

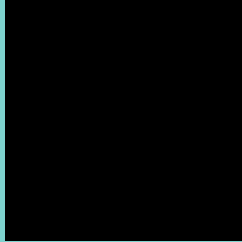
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

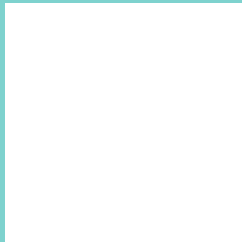
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 54.9850, 0.2601, 0.3342

Background



This preview shows how black text looks on a background with the Yxy color 54.9850, 0.2601, 0.3342.

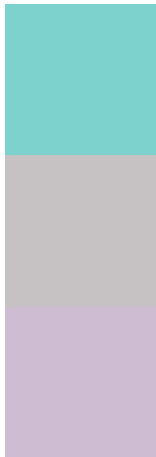


This preview shows how white text looks on a background with the Yxy color 54.9850, 0.2601, 0.3342.

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

54.9850, 0.2601, 0.3342

Protanopia

54.5749, 0.3144, 0.3266

Deuteranopia

54.1701, 0.3106, 0.3044



Tritanopia

54.8328, 0.2526, 0.3069

Trichromacy



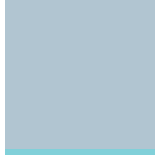
Original Color

54.9850, 0.2601, 0.3342



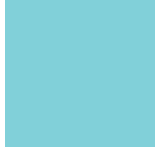
Protanomaly

54.2493, 0.2916, 0.3289



Deuteranomaly

53.8831, 0.2891, 0.3140



Tritanomaly

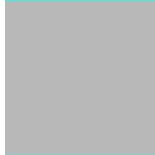
54.7886, 0.2554, 0.3170

Monochromacy



Original Color

54.9850, 0.2601, 0.3342



Achromatopsia

47.9320, 0.3127, 0.3290



Achromatomaly

49.7322, 0.2901, 0.3303

CSS Examples

Text

The CSS property to change the color of the text to Yxy 54.9850, 0.2601, 0.3342 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(126, 210, 206)` looks like.

```
.text, #text, p{  
    color:rgb(126, 210, 206)  
}
```

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(126, 210, 206) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(126, 210, 206) }
```

Border

The CSS property to change the border of an element to Yxy 54.9850, 0.2601, 0.3342 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(126, 210, 206) }
```

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

```
.border{ border-color:rgb(126, 210, 206) }
```

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

Here you see how a box with a 4 pixel `rgb(126, 210, 206)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(126, 210, 206); -webkit-box-  
shadow:4px 4px 4px 4px rgb(126, 210, 206);  
box-shadow:4px 4px 4px 4px rgb(126, 210,  
206) }
```


Background

The CSS property to change the background color of an element to Yxy 54.9850, 0.2601, 0.3342 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(126, 210, 206) }
```

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

```
.background{ background-color: rgb(126,  
210, 206) }
```

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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