

Converting Colors

Yxy(53.9646, 0.2630, 0.3569)

Have a look what the booklet for
Yxy(53.9646, 0.2630, 0.3569)
contains.

Yxy(53.9950, 0.2627, 0.3567)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(53.9950, 0.2627, 0.3567)

Conversions

Conversions Part 1

Format	Color
Hex	73D3BF
RGB	115, 211, 191
RGB Percent	45%, 83%, 75%
CMY	0.5491, 0.1725, 0.2510
CMYK	0.46, 0.00, 0.09, 0.17
HSL	167°, 52%, 64%
HSV	167°, 46%, 83%
XYZ	39.7659, 53.9950, 57.6128
YIQ	180.0160, -50.7960, -26.5720

Conversions

Conversions Part 2

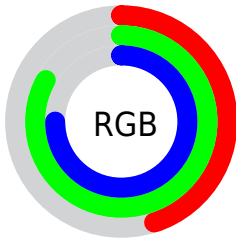
Format	Color
RYB	115, 169, 211
Decimal	7590847
CIELab	78.46, -33.19, 1.10
CIELCh	78, 33.206, 178.109
Yxy	53.9950, 0.2627, 0.3567
Android (android.graphics.Color)	4285780927 (0xFF73D3BF)
YUV	180.0160, 5.4151, -57.0190
Hunter-Lab	73.4813, -31.9934, 4.9507

Details

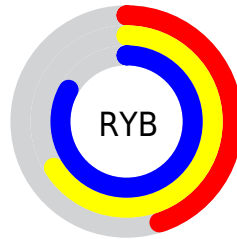
The Yxy color **53.9950, 0.2627, 0.3567** is a light color, and the websafe version is hex **66CCCC**. A complement of this color would be **27.8564, 0.4082, 0.3043**, and the grayscale version is **45.6402, 0.3127, 0.3290**.

A 20% lighter version of the original color is **87.0061, 0.2699, 0.3376**, and **26.4818, 0.2493, 0.3635** is the 20% darker color. If you saturate the color by 10%, you get **52.5362, 0.2551, 0.3639**, and if you desaturate by 10%, it is **55.7912, 0.2718, 0.3498**.

Distribution



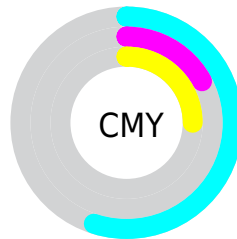
- Red (45%)
- Green (83%)
- Blue (75%)



- Red (45%)
- Yellow (66%)
- Blue (83%)



- Cyan (46%)
- Magenta (0%)
- Yellow (9%)
- Black (17%)



- Cyan (55%)
- Magenta (17%)
- Yellow (25%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 53.9950, 0.2627, 0.3567 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 53.9950, 0.2627, 0.3567 by changing the saturation by 10% instead.


 53.9950, 0.2627,
0.3567


 53.9950, 0.2627,
0.3567


402.0909, 0.2870,
0.3432

 38.5977, 0.2568,
0.3600


 96.0669, 0.2714,
0.3519

 26.4469, 0.2495,
0.3641


 123.5103, 0.2747,
0.3500

 17.1583, 0.2398,
0.3696


 155.7377, 0.2775,
0.3485

 10.3474, 0.2268,
0.3770

193.1338, 0.2799,
0.3471

 5.6299, 0.2082,
0.3876

236.0827, 0.2820,
0.3459

 2.6214, 0.1799,
0.4041

284.9689, 0.2839,

 0.9374, 0.0407,

0.3449

0.4782

340.1769, 0.2855,
0.3440

0.0000, 0.0000,
0.0000

53.9950, 0.2627,
0.3567

53.9950, 0.2627,
0.3567

52.5362, 0.2551,
0.3639

55.7912, 0.2718,
0.3498

51.3857, 0.2493,
0.3714

57.9390, 0.2823,
0.3433

50.5202, 0.2454,
0.3791

60.4594, 0.2937,
0.3373


49.9098, 0.2435,
0.3867


63.3699, 0.3058,
0.3318

49.5182, 0.2435,
0.3943

66.6869, 0.3184,
0.3268

 49.3834, 0.2438,
0.3977

 70.4258, 0.3312,
0.3224

 73.1141, 0.3381,
0.3182

 73.3527, 0.3349,
0.3138

 73.5975, 0.3317,
0.3095

Harmonies

Analogous

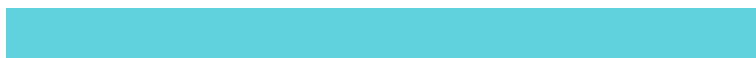
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



53.9950, 0.3017, 0.3937



53.9950, 0.2627, 0.3567



53.9950, 0.2379, 0.3131

Triad

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



53.9950, 0.2627, 0.3567



53.9950, 0.2763, 0.2596



53.9950, 0.4004, 0.3712

Complementary

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



53.9950, 0.2627, 0.3567



27.8564, 0.4082, 0.3043

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.



53.9950, 0.3935, 0.3361



53.9950, 0.2627, 0.3567



53.9950, 0.3190, 0.2746

Square

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



53.9950, 0.2627, 0.3567



53.9950, 0.2454, 0.2603



53.9950, 0.3629, 0.3018



53.9950, 0.3821, 0.3988

Rectangle

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



53.9950, 0.2627, 0.3567



53.9950, 0.2317, 0.2884



53.9950, 0.3629, 0.3018



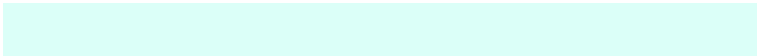
53.9950, 0.4010, 0.3599

Sweetspot

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



53.9971, 0.2627, 0.3567



93.3767, 0.2953, 0.3365



53.0460, 0.3200, 0.4650



19.7913, 0.2927, 0.3378



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.



53.9971, 0.2627, 0.3567



80.6264, 0.2551, 0.3640



42.5451, 0.2454, 0.2906



13.3631, 0.3010, 0.3339



29.8159, 0.2435, 0.3966



1.6780, 0.2396, 0.3827

Inverse Universe

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



27.8564, 0.4082, 0.3043



35.4775, 0.4427, 0.2999



34.4897, 0.4178, 0.3633



11.8480, 0.3258, 0.3242



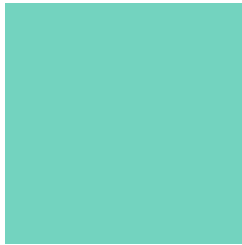
8.4796, 0.6037, 0.3099



0.4859, 0.5519, 0.2814

Previews

White Background



This preview shows how the Yxy color 53.9950, 0.2627, 0.3567 looks on a white background.

Color Contrast Check

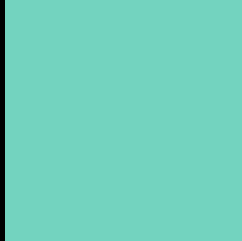
Large Text (above 18pt) WCAG AA × Fail

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 53.9950, 0.2627, 0.3567 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

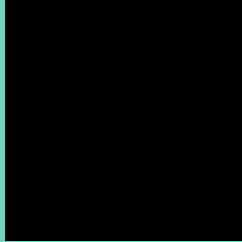
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

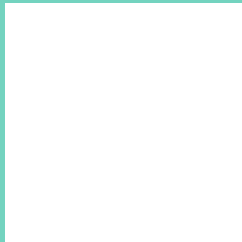
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 53.9950, 0.2627, 0.3567

Background



This preview shows how black text looks on a background with the Yxy color 53.9950, 0.2627, 0.3567.

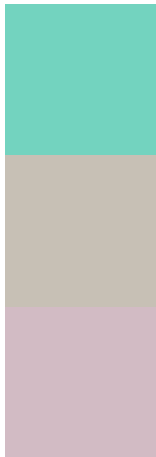


This preview shows how white text looks on a background with the Yxy color 53.9950, 0.2627, 0.3567.

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

53.9950, 0.2627, 0.3567

Protanopia

53.1776, 0.3269, 0.3426

Deuteranopia

53.2278, 0.3249, 0.3184



Tritanopia

53.7554, 0.2492, 0.3066

Trichromacy



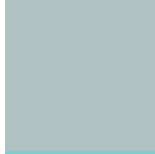
Original Color

53.9950, 0.2627, 0.3567



Protanomaly

52.6745, 0.2988, 0.3473



Deuteranomaly

52.4889, 0.2978, 0.3315



Tritanomaly

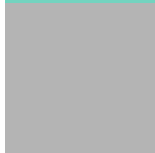
53.8798, 0.2544, 0.3248

Monochromacy



Original Color

53.9950, 0.2627, 0.3567



Achromatopsia

45.6411, 0.3127, 0.3290



Achromatomaly

47.7902, 0.2903, 0.3385

CSS Examples

Text

The CSS property to change the color of the text to Yxy 53.9950, 0.2627, 0.3567 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(115, 211, 191)` looks like.

```
.text, #text, p{  
    color:rgb(115, 211, 191)  
}
```

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(115, 211, 191) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(115, 211, 191) }
```

Border

The CSS property to change the border of an element to Yxy 53.9950, 0.2627, 0.3567 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(115, 211, 191) }
```

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

```
.border{ border-color:rgb(115, 211, 191) }
```

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

Here you see how a box with a 4 pixel `rgb(115, 211, 191)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(115, 211, 191); -webkit-box-  
shadow:4px 4px 4px 4px rgb(115, 211, 191);  
box-shadow:4px 4px 4px 4px rgb(115, 211,  
191) }
```


Background

The CSS property to change the background color of an element to Yxy 53.9950, 0.2627, 0.3567 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(115, 211, 191) }
```

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

```
.background{ background-color: rgb(115,  
211, 191) }
```

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