

Converting Colors

$Yxy(55.5428, 0.2493, 0.3531)$

Have a look what the booklet for
Yxy(55.5428, 0.2493, 0.3531)
contains.

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Color

Yxy(55.4594, 0.2491, 0.3525)

Conversions

Conversions Part 1

Format	Color
Hex	5BD8C7
RGB	91, 216, 199
RGB Percent	36%, 85%, 78%
CMY	0.6425, 0.1530, 0.2195
CMYK	0.58, 0.00, 0.08, 0.15
HSL	172°, 62%, 60%
HSV	172°, 58%, 85%
XYZ	39.1913, 55.4594, 62.6809
YIQ	176.6870, -69.0430, -31.7870

Conversions

Conversions Part 2

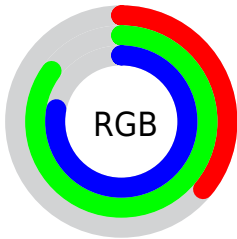
Format	Color
RYB	91, 158, 216
Decimal	6019271
CIELab	79.31, -38.65, -2.06
CIElCh	79, 38.701, 183.045
Yxy	55.4594, 0.2491, 0.3525
Android (android.graphics.Color)	4284209351 (0xFF5BD8C7)
YUV	176.6870, 11.0003, -75.1475
Hunter-Lab	74.4711, -36.3866, 2.2265

Details

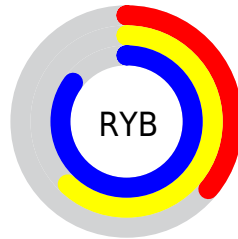
The Yxy color **55.4594, 0.2491, 0.3525** is a light color, and the websafe version is hex **33CCCC**. The color can be described as light muted cyan. A complement of this color would be **23.1909, 0.4648, 0.3099**, and the grayscale version is **43.7839, 0.3127, 0.3290**.

A 20% lighter version of the original color is **85.4154, 0.2570, 0.3288**, and **27.5341, 0.2333, 0.3597** is the 20% darker color. If you saturate the color by 10%, you get **54.3801, 0.2432, 0.3573**, and if you desaturate by 10%, it is **56.8616, 0.2569, 0.3479**.

Distribution



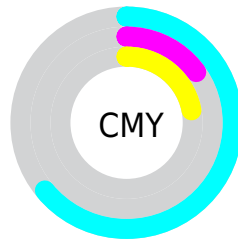
- Red (36%)
- Green (85%)
- Blue (78%)



- Red (36%)
- Yellow (62%)
- Blue (85%)



- Cyan (58%)
- Magenta (0%)
- Yellow (8%)
- Black (15%)




- Cyan (64%)
- Magenta (15%)
- Yellow (22%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 55.4594, 0.2491, 0.3525 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 55.4594, 0.2491, 0.3525 by changing the saturation by 10% instead.


 55.4594, 0.2491,
0.3525

 55.4594, 0.2491,
0.3525


407.6510, 0.2796,
0.3414

 39.7697, 0.2419,
0.3551


 98.2137, 0.2599,
0.3486


 27.3590, 0.2328,
0.3583


 126.0471, 0.2640,
0.3471

 17.8430, 0.2211,
0.3623


 158.6971, 0.2676,
0.3458

 10.8373, 0.2056,
0.3677

 196.5482, 0.2707,
0.3447

 5.9576, 0.1839,
0.3749

239.9847, 0.2733,
0.3437

 2.8193, 0.1519,
0.3850

289.3911, 0.2757,

 1.0381, 0.0151,

0.3429

0.4377

345.1517, 0.2778,
0.3421

0.0000, 0.0000,
0.0000

55.4594, 0.2491,
0.3525

55.4594, 0.2491,
0.3525

54.3801, 0.2432,
0.3573

56.8616, 0.2569,
0.3479

53.5893, 0.2392,
0.3621

58.6050, 0.2663,
0.3434

53.0564, 0.2372,
0.3668

60.7137, 0.2772,
0.3392

52.7355, 0.2368,
0.3716

63.2082, 0.2893,
0.3352

52.6771, 0.2368,
0.3726

66.1072, 0.3022,
0.3316

■ 69.4284, 0.3157,
0.3283

■ 73.1883, 0.3296,
0.3253

■ 75.6665, 0.3369,
0.3225

■ 75.8258, 0.3348,
0.3196

Harmonies

Analogous

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



55.4594, 0.2915, 0.3990



55.4594, 0.2491, 0.3525



55.4594, 0.2245, 0.3024

Triad

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



55.4594, 0.2491, 0.3525



55.4594, 0.2780, 0.2516



55.4594, 0.4121, 0.3825

Complementary

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



55.4594, 0.2491, 0.3525



23.1909, 0.4648, 0.3099

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.



55.4594, 0.4096, 0.3431



55.4594, 0.2491, 0.3525



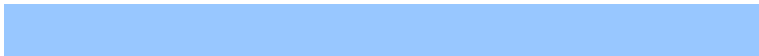
55.4594, 0.3284, 0.2712

Square

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



55.4594, 0.2491, 0.3525



55.4594, 0.2402, 0.2490



55.4594, 0.3780, 0.3037



55.4594, 0.3863, 0.4126

Rectangle

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



55.4594, 0.2491, 0.3525



55.4594, 0.2202, 0.2759



55.4594, 0.3780, 0.3037



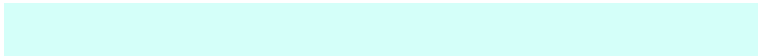
55.4594, 0.4147, 0.3699

Sweetspot

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



55.4616, 0.2491, 0.3525



92.3113, 0.2901, 0.3350



53.1705, 0.3145, 0.5088



19.5891, 0.2875, 0.3358



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.



55.4616, 0.2491, 0.3525



78.9584, 0.2423, 0.3581



36.8069, 0.2273, 0.2653



14.0775, 0.3001, 0.3322



31.1954, 0.2366, 0.3719



1.8898, 0.2344, 0.3637

Inverse Universe

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



23.1909, 0.4648, 0.3099



27.8379, 0.5161, 0.3091



32.6399, 0.4535, 0.3810



12.4480, 0.3270, 0.3259



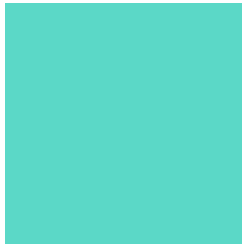
8.7039, 0.6212, 0.3196



0.5341, 0.5813, 0.2976

Previews

White Background



This preview shows how the Yxy color 55.4594, 0.2491, 0.3525 looks on a white background.

Color Contrast Check

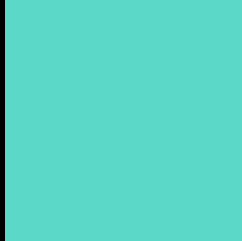
Large Text (above 18pt) WCAG AA × Fail

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 55.4594, 0.2491, 0.3525 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

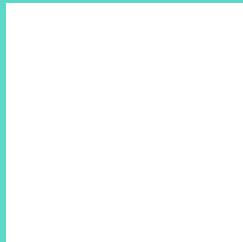
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 55.4594, 0.2491, 0.3525

Background



This preview shows how black text looks on a background with the Yxy color 55.4594, 0.2491, 0.3525.

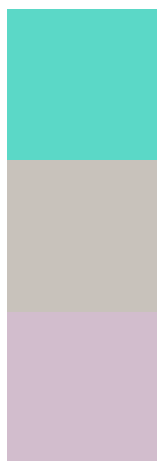


This preview shows how white text looks on a background with the Yxy color 55.4594, 0.2491, 0.3525.

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

55.4594, 0.2491, 0.3525

Protanopia

54.4508, 0.3229, 0.3376

Deuteranopia

54.5046, 0.3177, 0.3103



Tritanopia

55.5689, 0.2381, 0.3065

Trichromacy



Original Color

55.4594, 0.2491, 0.3525



Protanomaly

53.4762, 0.2891, 0.3434



Deuteranomaly

53.3741, 0.2860, 0.3238



Tritanomaly

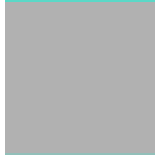
55.2471, 0.2418, 0.3221

Monochromacy



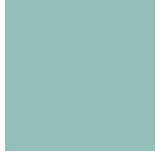
Original Color

55.4594, 0.2491, 0.3525



Achromatopsia

43.9657, 0.3127, 0.3290



Achromatomaly

46.8754, 0.2823, 0.3372

CSS Examples

Text

The CSS property to change the color of the text to Yxy 55.4594, 0.2491, 0.3525 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(91, 216, 199)` looks like.

```
.text, #text, p{  
    color:rgb(91, 216, 199)  
}
```

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(91, 216, 199) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(91, 216, 199) }
```

Border

The CSS property to change the border of an element to Yxy 55.4594, 0.2491, 0.3525 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(91, 216, 199) }
```

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

```
.border{ border-color:rgb(91, 216, 199) }
```

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

Here you see how a box with a 4 pixel `rgb(91, 216, 199)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(91, 216, 199); -webkit-box-  
shadow:4px 4px 4px 4px rgb(91, 216, 199);  
box-shadow:4px 4px 4px 4px rgb(91, 216,  
199) }
```


Background

The CSS property to change the background color of an element to Yxy 55.4594, 0.2491, 0.3525 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(91, 216, 199) }
```

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

```
.background{ background-color: rgb(91, 216,  
199) }
```

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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