

Converting Colors

$Y_{xy}(55.5050, 0.2490, 0.3764)$

Have a look what the booklet for
Yxy(55.5050, 0.2490, 0.3764)
contains.

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Color

$\text{Yxy}(55.5103, 0.2490, 0.3764)$

Conversions

Conversions Part 1

Format	Color
Hex	46DBBA
RGB	70, 219, 186
RGB Percent	27%, 86%, 73%
CMY	0.7255, 0.1412, 0.2705
CMYK	0.68, 0.00, 0.15, 0.14
HSL	167°, 67%, 57%
HSV	167°, 68%, 86%
XYZ	36.7217, 55.5103, 55.2448
YIQ	170.6870, -78.2110, -41.8510

Conversions

Conversions Part 2

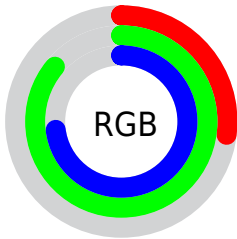
Format	Color
RYB	70, 154, 219
Decimal	4643770
CIELab	79.33, -46.76, 4.85
CIElCh	79, 47.010, 174.075
Yxy	55.5103, 0.2490, 0.3764
Android (android.graphics.Color)	4282833850 (0xFF46DBBA)
YUV	170.6870, 7.5493, -88.3025
Hunter-Lab	74.5052, -42.4060, 8.1908

Details

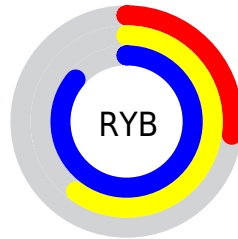
The Yxy color **55.5103, 0.2490, 0.3764** is a light color, and the websafe version is hex **33CC99**. The color can be described as light muted spring green. A complement of this color would be **20.4199, 0.4888, 0.2948**, and the grayscale version is **40.5522, 0.3127, 0.3290**.

A 20% lighter version of the original color is **83.1650, 0.2561, 0.3438**, and **27.8878, 0.2411, 0.3880** is the 20% darker color. If you saturate the color by 10%, you get **54.6384, 0.2458, 0.3846**, and if you desaturate by 10%, it is **56.6903, 0.2542, 0.3683**.

Distribution



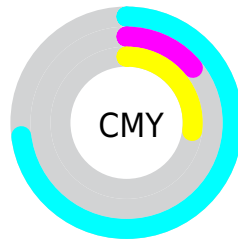
- Red (27%)
- Green (86%)
- Blue (73%)



- Red (27%)
- Yellow (60%)
- Blue (86%)



- Cyan (68%)
- Magenta (0%)
- Yellow (15%)
- Black (14%)





- Cyan (73%)
- Magenta (14%)
- Yellow (27%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 55.5103, 0.2490, 0.3764 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 55.5103, 0.2490, 0.3764 by changing the saturation by 10% instead.


 55.5103, 0.2490,
0.3764


 55.5103, 0.2490,
0.3764

407.8434, 0.2800,
0.3530

 39.8104, 0.2416,
0.3822


 98.2882, 0.2600,
0.3680

 27.3908, 0.2322,
0.3895


 126.1351, 0.2642,
0.3648

 17.8669, 0.2200,
0.3991


 158.7997, 0.2678,
0.3621

 10.8545, 0.2037,
0.4124


 196.6665, 0.2709,
0.3597

 5.9691, 0.1806,
0.4316

240.1199, 0.2736,
0.3577

 2.8263, 0.1461,
0.4619

289.5442, 0.2760,

 1.0417, 0.0000,

0.3559

0.5700

345.3239, 0.2781,
0.3544

0.0000, 0.0000,
0.0000

55.5103, 0.2490,
0.3764

55.5103, 0.2490,
0.3764

54.6384, 0.2458,
0.3846

56.6903, 0.2542,
0.3683

54.0340, 0.2445,
0.3928

58.2010, 0.2612,
0.3605

53.6505, 0.2450,
0.4009


60.0701, 0.2699,
0.3530

53.5865, 0.2451,
0.4025


62.3208, 0.2799,
0.3460

64.9740, 0.2910,
0.3394

 68.0495, 0.3028,
0.3334

 71.5653, 0.3152,
0.3280

 75.5388, 0.3277,
0.3231

 77.6177, 0.3315,
0.3184

Harmonies

Analogous

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



55.5103, 0.3037, 0.4278



55.5103, 0.2490, 0.3764



55.5103, 0.2134, 0.3126

Triad

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



55.5103, 0.2490, 0.3764



55.5103, 0.2550, 0.2340



55.5103, 0.4360, 0.3775

Complementary

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



55.5103, 0.2490, 0.3764



20.4199, 0.4888, 0.2948

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.



55.5103, 0.4225, 0.3299



55.5103, 0.2490, 0.3764



55.5103, 0.3120, 0.2516

Square

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



55.5103, 0.2490, 0.3764



55.5103, 0.2171, 0.2367



55.5103, 0.3751, 0.2856



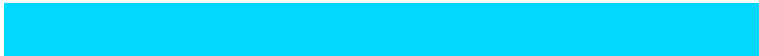
55.5103, 0.4131, 0.4196

Rectangle

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



55.5103, 0.2490, 0.3764



55.5103, 0.2035, 0.2769



55.5103, 0.3751, 0.2856



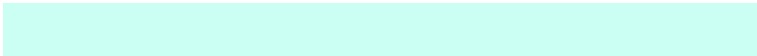
55.5103, 0.4358, 0.3618

Sweetspot

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



55.5125, 0.2490, 0.3764



90.8715, 0.2886, 0.3408



54.0957, 0.3196, 0.5363



19.2179, 0.2854, 0.3426



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.



55.5125, 0.2490, 0.3764



76.6880, 0.2449, 0.3884



38.7648, 0.2200, 0.2709



14.7777, 0.3011, 0.3342



31.7906, 0.2448, 0.4013



2.0720, 0.2411, 0.3880

Inverse Universe

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



20.4199, 0.4888, 0.2948



23.9821, 0.5478, 0.2975



26.5975, 0.5016, 0.3720



13.0985, 0.3257, 0.3238



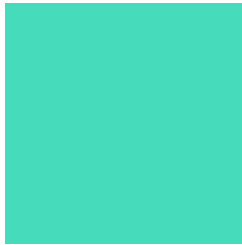
9.0723, 0.6006, 0.3082



0.6008, 0.5545, 0.2828

Previews

White Background



This preview shows how the Yxy color 55.5103, 0.2490, 0.3764 looks on a white background.

Color Contrast Check

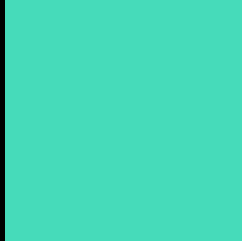
Large Text (above 18pt) WCAG AA × Fail

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 55.5103, 0.2490, 0.3764 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

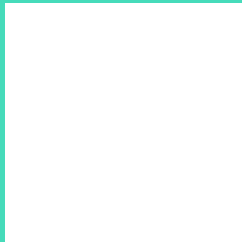
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 55.5103, 0.2490, 0.3764

Background



This preview shows how black text looks on a background with the Yxy color 55.5103, 0.2490, 0.3764.

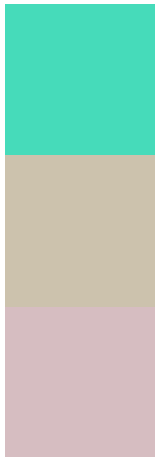


This preview shows how white text looks on a background with the Yxy color 55.5103, 0.2490, 0.3764.

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

55.5103, 0.2490, 0.3764

Protanopia

54.4381, 0.3371, 0.3547

Deuteranopia

54.5416, 0.3304, 0.3244



Tritanopia

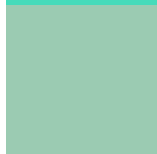
55.4753, 0.2335, 0.3063

Trichromacy



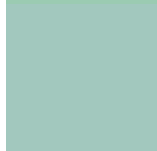
Original Color

55.5103, 0.2490, 0.3764



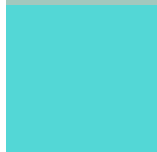
Protanomaly

52.8948, 0.2942, 0.3626



Deuteranomaly

52.7076, 0.2911, 0.3421



Tritanomaly

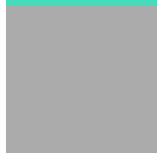
55.2949, 0.2389, 0.3302

Monochromacy



Original Color

55.5103, 0.2490, 0.3764



Achromatopsia

40.7240, 0.3127, 0.3290



Achromatomaly

44.1694, 0.2795, 0.3463

CSS Examples

Text

The CSS property to change the color of the text to Yxy 55.5103, 0.2490, 0.3764 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(70, 219, 186)` looks like.

```
.text, #text, p{  
  color:rgb(70, 219, 186)  
}
```

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(70, 219, 186) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(70, 219, 186) }
```

Border

The CSS property to change the border of an element to Yxy 55.5103, 0.2490, 0.3764 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(70, 219, 186) }
```

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

```
.border{ border-color:rgb(70, 219, 186) }
```

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

Here you see how a box with a 4 pixel `rgb(70, 219, 186)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(70, 219, 186); -webkit-box-  
shadow:4px 4px 4px 4px rgb(70, 219, 186);  
box-shadow:4px 4px 4px 4px rgb(70, 219,  
186) }
```


Background

The CSS property to change the background color of an element to Yxy 55.5103, 0.2490, 0.3764 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(70, 219, 186) }
```

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

```
.background{ background-color: rgb(70, 219,  
186) }
```

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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