

Converting Colors

$Yxy(55.0118, 0.2518, 0.3852)$

Have a look what the booklet for
Yxy(55.0118, 0.2518, 0.3852)
contains.

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Color

Yxy(55.2604, 0.2519, 0.3856)

Conversions

Conversions Part 1

Format	Color
Hex	46DBB4
RGB	70, 219, 180
RGB Percent	27%, 86%, 71%
CMY	0.7252, 0.1412, 0.2941
CMYK	0.68, 0.00, 0.18, 0.14
HSL	164°, 67%, 57%
HSV	164°, 68%, 86%
XYZ	36.0998, 55.2604, 51.9499
YIQ	170.0030, -76.2850, -43.7170

Conversions

Conversions Part 2

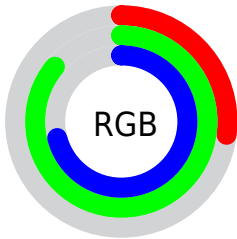
Format	Color
RYB	70, 156, 219
Decimal	4643764
CIELab	79.19, -48.21, 7.84
CIELCh	79, 48.842, 170.761
Yxy	55.2604, 0.2519, 0.3856
Android (android.graphics.Color)	4282833844 (0xFF46DBB4)
YUV	170.0030, 4.9285, -87.7026
Hunter-Lab	74.3373, -43.4069, 10.6019

Details

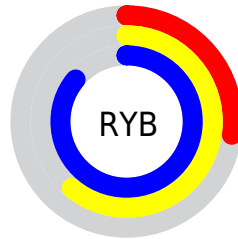
The Yxy color **55.2604, 0.2519, 0.3856** is a light color, and the websafe version is hex **33CC99**. The color can be described as light muted spring green. A complement of this color would be **20.5539, 0.4788, 0.2880**, and the grayscale version is **40.2140, 0.3127, 0.3290**.

A 20% lighter version of the original color is **82.7270, 0.2583, 0.3509**, and **27.7267, 0.2446, 0.4007** is the 20% darker color. If you saturate the color by 10%, you get **54.3615, 0.2490, 0.3955**, and if you desaturate by 10%, it is **56.4701, 0.2568, 0.3759**.

Distribution



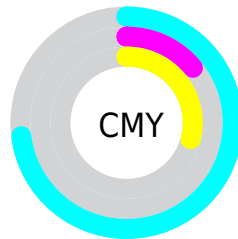
- Red (27%)
- Green (86%)
- Blue (71%)



- Red (27%)
- Yellow (61%)
- Blue (86%)



- Cyan (68%)
- Magenta (0%)
- Yellow (18%)
- Black (14%)





- Cyan (73%)
- Magenta (14%)
- Yellow (29%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 55.2604, 0.2519, 0.3856 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 55.2604, 0.2519, 0.3856 by changing the saturation by 10% instead.


 55.2604, 0.2519,
0.3856


 55.2604, 0.2519,
0.3856

406.8983, 0.2817,
0.3573


 39.6102, 0.2447,
0.3927

 97.9224, 0.2626,
0.3753

 27.2348, 0.2355,
0.4017


 125.7030, 0.2666,
0.3714

 17.7496, 0.2236,
0.4138


 158.2959, 0.2701,
0.3682

 10.7704, 0.2074,
0.4305

 196.0854, 0.2730,
0.3654

 5.9127, 0.1843,
0.4552

239.4561, 0.2756,
0.3629

 2.7920, 0.1493,
0.4949

288.7921, 0.2779,

 1.0241, 0.0000,

0.3608

0.6466

344.4781, 0.2799,
0.3589

0.0000, 0.0000,
0.0000

55.2604, 0.2519,
0.3856

55.2604, 0.2519,
0.3856

54.3615, 0.2490,
0.3955

56.4701, 0.2568,
0.3759

53.7329, 0.2480,
0.4053

58.0134, 0.2635,
0.3665

53.3280, 0.2489,
0.4151


59.9178, 0.2718,
0.3575

53.2591, 0.2492,
0.4170

62.2067, 0.2814,
0.3491

64.9010, 0.2920,
0.3413

 68.0204, 0.3033,
0.3342

 71.5833, 0.3151,
0.3278

 75.6067, 0.3270,
0.3220

 77.7260, 0.3302,
0.3165

Harmonies

Analogous

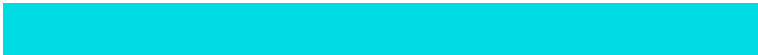
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



55.2604, 0.3100, 0.4360



55.2604, 0.2519, 0.3856



55.2604, 0.2126, 0.3187

Triad

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



55.2604, 0.2519, 0.3856



55.2604, 0.2473, 0.2299



55.2604, 0.4413, 0.3734

Complementary

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



55.2604, 0.2519, 0.3856



20.5539, 0.4788, 0.2880

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.



55.2604, 0.4230, 0.3243



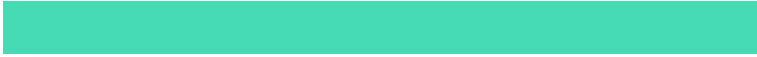
55.2604, 0.2519, 0.3856



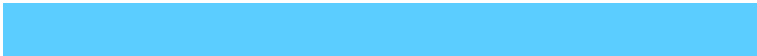
55.2604, 0.3046, 0.2460

Square

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



55.2604, 0.2519, 0.3856



55.2604, 0.2108, 0.2350



55.2604, 0.3706, 0.2794



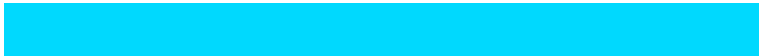
55.2604, 0.4210, 0.4185

Rectangle

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



55.2604, 0.2519, 0.3856



55.2604, 0.2005, 0.2801



55.2604, 0.3706, 0.2794



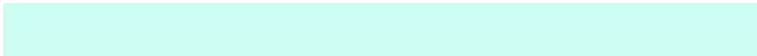
55.2604, 0.4397, 0.3570

Sweetspot

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



55.2626, 0.2519, 0.3856



90.7472, 0.2896, 0.3430



54.4062, 0.3225, 0.5343



19.1878, 0.2866, 0.3452



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.



55.2626, 0.2519, 0.3856



76.2810, 0.2483, 0.4001



40.8031, 0.2219, 0.2785



14.7683, 0.3017, 0.3352



31.5996, 0.2488, 0.4155



2.0610, 0.2443, 0.3996

Inverse Universe

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



20.5539, 0.4788, 0.2880



24.1386, 0.5353, 0.2901



25.5691, 0.5065, 0.3663



13.1072, 0.3251, 0.3229



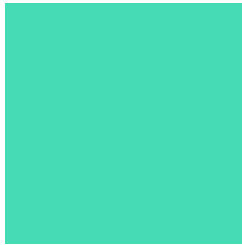
9.1224, 0.5881, 0.3014



0.6051, 0.5412, 0.2755

Previews

White Background



This preview shows how the Yxy color 55.2604, 0.2519, 0.3856 looks on a white background.

Color Contrast Check

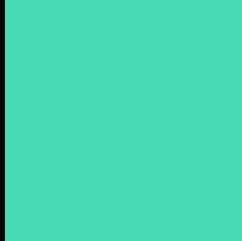
Large Text (above 18pt) WCAG AA × Fail

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 55.2604, 0.2519, 0.3856 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 55.2604, 0.2519, 0.3856

Background



This preview shows how black text looks on a background with the Yxy color 55.2604, 0.2519, 0.3856.



This preview shows how white text looks on a background with the Yxy color 55.2604, 0.2519, 0.3856.

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

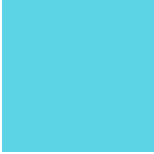
55.2604, 0.2519, 0.3856

Protanopia

54.2110, 0.3418, 0.3621

Deuteranopia

54.1532, 0.3371, 0.3302



Tritanopia

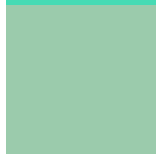
55.0194, 0.2343, 0.3063

Trichromacy



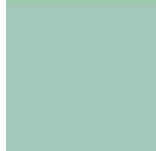
Original Color

55.2604, 0.2519, 0.3856



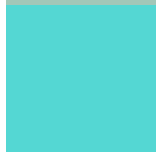
Protanomaly

52.6590, 0.2981, 0.3710



Deuteranomaly

52.0941, 0.2958, 0.3488



Tritanomaly

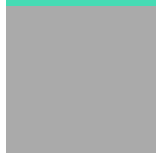
55.1888, 0.2406, 0.3343

Monochromacy



Original Color

55.2604, 0.2519, 0.3856



Achromatopsia

40.1978, 0.3127, 0.3290



Achromatomaly

44.0908, 0.2809, 0.3493

CSS Examples

Text

The CSS property to change the color of the text to Yxy 55.2604, 0.2519, 0.3856 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, 180)` looks like.

```
.text, #text, p{  
    color:rgb(70, 219, 180)  
}
```

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, 180) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(70, 219, 180) }
```

Border

The CSS property to change the border of an element to Yxy 55.2604, 0.2519, 0.3856 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, 180) }
```

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

```
.border{ border-color:rgb(70, 219, 180) }
```

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, 180)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(70, 219, 180); -webkit-box-  
shadow:4px 4px 4px 4px rgb(70, 219, 180);  
box-shadow:4px 4px 4px 4px rgb(70, 219,  
180) }
```


Background

The CSS property to change the background color of an element to Yxy 55.2604, 0.2519, 0.3856 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, 180) }
```

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

```
.background{ background-color: rgb(70, 219,  
180) }
```

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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