

Converting Colors

$Y_{xy}(44.9971, 0.2536, 0.3708)$

Have a look what the booklet for
Yxy(44.9971, 0.2536, 0.3708)
contains.

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Color

Yxy(44.9907, 0.2536, 0.3708)

Conversions

Conversions Part 1

Format	Color
Hex	4FC6AB
RGB	79, 198, 171
RGB Percent	31%, 78%, 67%
CMY	0.6899, 0.2235, 0.3295
CMYK	0.60, 0.00, 0.14, 0.22
HSL	166°, 51%, 54%
HSV	166°, 60%, 78%
XYZ	30.7703, 44.9907, 45.5731
YIQ	159.3410, -62.2570, -33.6250

Conversions

Conversions Part 2

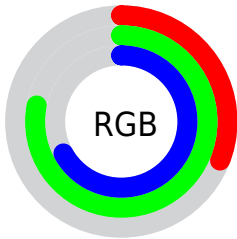
Format	Color
RYB	79, 146, 198
Decimal	5228203
CIELab	72.89, -39.81, 3.65
CIELCh	73, 39.973, 174.766
Yxy	44.9907, 0.2536, 0.3708
Android (android.graphics.Color)	4283418283 (0xFF4FC6AB)
YUV	159.3410, 5.7479, -70.4591
Hunter-Lab	67.0751, -35.4955, 6.6689

Details

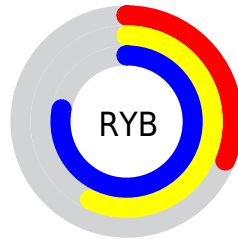
The Yxy color **44.9907, 0.2536, 0.3708** is a dark color, and the websafe version is hex **66CC99**. The color can be described as middle muted spring green. A complement of this color would be **18.6499, 0.4548, 0.2956**, and the grayscale version is **34.8371, 0.3127, 0.3290**.

A 20% lighter version of the original color is **82.5000, 0.2645, 0.3629**, and **20.9768, 0.2394, 0.3818** is the 20% darker color. If you saturate the color by 10%, you get **44.0966, 0.2488, 0.3791**, and if you desaturate by 10%, it is **46.1470, 0.2603, 0.3627**.

Distribution



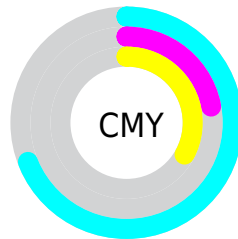
- Red (31%)
- Green (78%)
- Blue (67%)



- Red (31%)
- Yellow (57%)
- Blue (78%)



- Cyan (60%)
- Magenta (0%)
- Yellow (14%)
- Black (22%)




- Cyan (69%)
- Magenta (22%)
- Yellow (33%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 44.9907, 0.2536, 0.3708 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 44.9907, 0.2536, 0.3708 by changing the saturation by 10% instead.


 44.9907, 0.2536,
0.3708

 44.9907, 0.2536,
0.3708


366.7359, 0.2833,
0.3495


 31.4501, 0.2461,
0.3763


 82.7065, 0.2644,
0.3630

 20.9418, 0.2366,
0.3833


 107.6504, 0.2685,
0.3600

 13.0815, 0.2238,
0.3929


 137.1643, 0.2719,
0.3576

 7.4847, 0.2061,
0.4064

 171.6324, 0.2749,
0.3555

 3.7670, 0.1799,
0.4270

211.4392, 0.2774,
0.3537

 1.5441, 0.1176,
0.4727

256.9692, 0.2796,

 0.3195, 0.0000,

0.3521

0.7747

308.6066, 0.2816,
0.3507

0.0000, 0.0000,
0.0000

44.9907, 0.2536,
0.3708

44.9907, 0.2536,
0.3708

44.0966, 0.2488,
0.3791

46.1470, 0.2603,
0.3627

43.4363, 0.2459,
0.3875

47.5807, 0.2685,
0.3550

42.9839, 0.2450,
0.3958

49.3118, 0.2782,
0.3477

42.6882, 0.2456,
0.4041

51.3572, 0.2890,
0.3409

53.7323, 0.3005,
0.3347

■ 56.4517, 0.3126,
0.3290

■ 59.5289, 0.3250,
0.3239

■ 62.9767, 0.3374,
0.3194

■ 66.3752, 0.3480,
0.3153

Harmonies

Analogous

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



44.9907, 0.3038, 0.4175



44.9907, 0.2536, 0.3708



44.9907, 0.2210, 0.3134

Triad

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



44.9907, 0.2536, 0.3708



44.9907, 0.2610, 0.2415



44.9907, 0.4253, 0.3755

Complementary

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



44.9907, 0.2536, 0.3708



18.6499, 0.4548, 0.2956

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.



44.9907, 0.4134, 0.3315



44.9907, 0.2536, 0.3708



44.9907, 0.3137, 0.2582

Square

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



44.9907, 0.2536, 0.3708



44.9907, 0.2252, 0.2439



44.9907, 0.3709, 0.2901



44.9907, 0.4042, 0.4133

Rectangle

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



44.9907, 0.2536, 0.3708



44.9907, 0.2119, 0.2809



44.9907, 0.3709, 0.2901



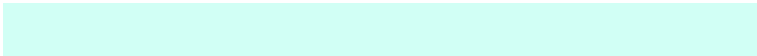
44.9907, 0.4252, 0.3610

Sweetspot

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



44.9925, 0.2536, 0.3708



91.6561, 0.2910, 0.3398



44.0683, 0.3208, 0.5114



19.3698, 0.2877, 0.3417



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.



44.9925, 0.2536, 0.3708



77.6925, 0.2477, 0.3816



33.1183, 0.2286, 0.2792



12.0247, 0.3014, 0.3343



27.7745, 0.2453, 0.4030



1.3255, 0.2405, 0.3857

Inverse Universe

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



18.6499, 0.4548, 0.2956



27.0127, 0.5058, 0.2938



23.8925, 0.4695, 0.3694



10.6758, 0.3254, 0.3238



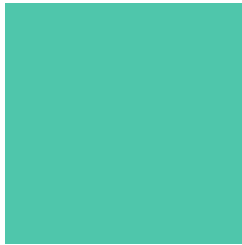
7.9418, 0.5978, 0.3067



0.3875, 0.5376, 0.2735

Previews

White Background



This preview shows how the Yxy color 44.9907, 0.2536, 0.3708 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 44.9907, 0.2536, 0.3708 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

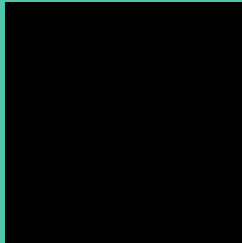
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

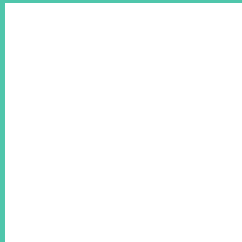
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 44.9907, 0.2536, 0.3708

Background



This preview shows how black text looks on a background with the Yxy color 44.9907, 0.2536, 0.3708.



This preview shows how white text looks on a background with the Yxy color 44.9907, 0.2536, 0.3708.

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

44.9907, 0.2536, 0.3708

Protanopia

44.2966, 0.3340, 0.3517

Deuteranopia

44.2815, 0.3293, 0.3227



Tritanopia

45.0212, 0.2387, 0.3073

Trichromacy



Original Color

44.9907, 0.2536, 0.3708



Protanomaly

43.4893, 0.2967, 0.3594



Deuteranomaly

42.9152, 0.2941, 0.3374



Tritanomaly

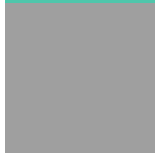
45.0451, 0.2437, 0.3288

Monochromacy



Original Color

44.9907, 0.2536, 0.3708



Achromatopsia

34.6704, 0.3127, 0.3290



Achromatomaly

37.2773, 0.2841, 0.3443

CSS Examples

Text

The CSS property to change the color of the text to Yxy 44.9907, 0.2536, 0.3708 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(79, 198, 171)` looks like.

```
.text, #text, p{  
    color:rgb(79, 198, 171)  
}
```

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(79, 198, 171) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(79, 198, 171) }
```

Border

The CSS property to change the border of an element to Yxy 44.9907, 0.2536, 0.3708 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(79, 198, 171) }
```

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

```
.border{ border-color:rgb(79, 198, 171) }
```

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

Here you see how a box with a 4 pixel rgb(79, 198, 171) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(79, 198, 171); -webkit-box-  
shadow:4px 4px 4px 4px rgb(79, 198, 171);  
box-shadow:4px 4px 4px 4px rgb(79, 198,  
171) }
```


Background

The CSS property to change the background color of an element to Yxy 44.9907, 0.2536, 0.3708 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(79, 198, 171) }
```

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

```
.background{ background-color: rgb(79, 198,  
171) }
```

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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