

Converting Colors

$Yxy(45.2085, 0.2493, 0.3864)$

Have a look what the booklet for
Yxy(45.2085, 0.2493, 0.3864)
contains.

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Color

Yxy(45.3021, 0.2493, 0.3860)

Conversions

Conversions Part 1

Format	Color
Hex	37C9A5
RGB	55, 201, 165
RGB Percent	22%, 79%, 65%
CMY	0.7839, 0.2118, 0.3529
CMYK	0.73, 0.00, 0.18, 0.21
HSL	165°, 57%, 50%
HSV	165°, 73%, 79%
XYZ	29.2586, 45.3021, 42.8023
YIQ	153.2420, -75.4600, -42.1480

Conversions

Conversions Part 2

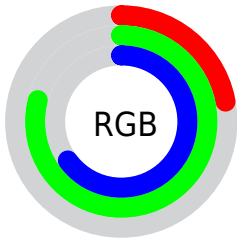
Format	Color
RYB	55, 138, 201
Decimal	3656101
CIELab	73.09, -46.41, 7.09
CIELCh	73, 46.945, 171.308
Yxy	45.3021, 0.2493, 0.3860
Android (android.graphics.Color)	4281846181 (0xFF37C9A5)
YUV	153.2420, 5.7967, -86.1582
Hunter-Lab	67.3068, -40.1922, 9.4106

Details

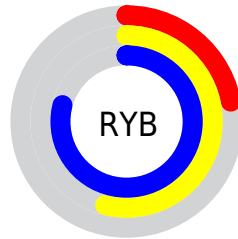
The Yxy color **45.3021, 0.2493, 0.3860** is a dark color, and the websafe version is hex **33CC99**. The color can be described as middle muted spring green. A complement of this color would be **15.9174, 0.4989, 0.2904**, and the grayscale version is **31.9798, 0.3127, 0.3290**.

A 20% lighter version of the original color is **80.8249, 0.2603, 0.3710**, and **21.7500, 0.2449, 0.4018** is the 20% darker color. If you saturate the color by 10%, you get **44.6689, 0.2471, 0.3952**, and if you desaturate by 10%, it is **46.1770, 0.2535, 0.3769**.

Distribution



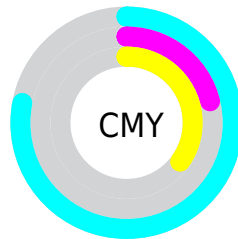
- Red (22%)
- Green (79%)
- Blue (65%)



- Red (22%)
- Yellow (54%)
- Blue (79%)



- Cyan (73%)
- Magenta (0%)
- Yellow (18%)
- Black (21%)





- Cyan (78%)
- Magenta (21%)
- Yellow (35%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 45.3021, 0.2493, 0.3860 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 45.3021, 0.2493, 0.3860 by changing the saturation by 10% instead.


 45.3021, 0.2493,
0.3860

 45.3021, 0.2493,
0.3860


367.9957, 0.2814,
0.3566


 31.6954, 0.2412,
0.3936

 83.1736, 0.2610,
0.3751


 21.1290, 0.2308,
0.4036


 108.2072, 0.2654,
0.3710


 13.2183, 0.2169,
0.4172


 137.8185, 0.2691,
0.3677

 7.5791, 0.1975,
0.4368

 172.3920, 0.2723,
0.3648

 3.8268, 0.1688,
0.4670

 212.3121, 0.2750,
0.3623

 1.5772, 0.0841,
0.5423

257.9632, 0.2774,

 0.3421, 0.0000,

0.3601

1.0000

309.7296, 0.2795,
0.3582

■ 0.0000, 0.0000,
0.0000

■ 45.3021, 0.2493,
0.3860

■ 45.3021, 0.2493,
0.3860

■ 44.6689, 0.2471,
0.3952

■ 46.1770, 0.2535,
0.3769

■ 44.2420, 0.2468,
0.4044

■ 47.3135, 0.2595,
0.3680

■ 44.0192, 0.2475,
0.4111

■ 48.7350, 0.2673,
0.3594

■ 50.4612, 0.2764,
0.3514

■ 52.5099, 0.2867,
0.3438

■ 54.8974, 0.2979,
0.3369

■ 57.6391, 0.3096,
0.3305

■ 60.7492, 0.3217,
0.3248

■ 64.2413, 0.3338,
0.3198

Harmonies

Analogous

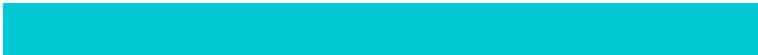
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



45.3021, 0.3086, 0.4386



45.3021, 0.2493, 0.3860



45.3021, 0.2096, 0.3170

Triad

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



45.3021, 0.2493, 0.3860



45.3021, 0.2466, 0.2277



45.3021, 0.4446, 0.3751

Complementary

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



45.3021, 0.2493, 0.3860



15.9174, 0.4989, 0.2904

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.



45.3021, 0.4267, 0.3248



45.3021, 0.2493, 0.3860



45.3021, 0.3055, 0.2446

Square

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



45.3021, 0.2493, 0.3860



45.3021, 0.2089, 0.2324



45.3021, 0.3733, 0.2789



45.3021, 0.4229, 0.4212

Rectangle

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



45.3021, 0.2493, 0.3860



45.3021, 0.1977, 0.2777



45.3021, 0.3733, 0.2789



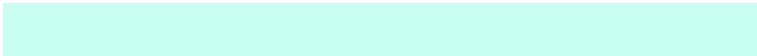
45.3021, 0.4433, 0.3583

Sweetspot

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



45.3039, 0.2493, 0.3860



90.0089, 0.2870, 0.3436



44.3025, 0.3201, 0.5465



19.0461, 0.2841, 0.3456



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.



45.3039, 0.2493, 0.3860



76.0286, 0.2467, 0.4004



31.7719, 0.2173, 0.2708



12.0211, 0.3016, 0.3348



27.6940, 0.2472, 0.4098



1.3223, 0.2419, 0.3908

Inverse Universe

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



15.9174, 0.4989, 0.2904



23.0587, 0.5585, 0.2958



20.2766, 0.5206, 0.3694



10.6791, 0.3251, 0.3233



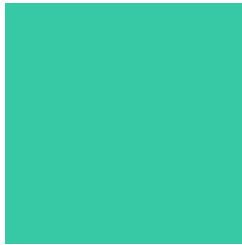
7.9626, 0.5918, 0.3034



0.3890, 0.5308, 0.2698

Previews

White Background



This preview shows how the Yxy color 45.3021, 0.2493, 0.3860 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 45.3021, 0.2493, 0.3860 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

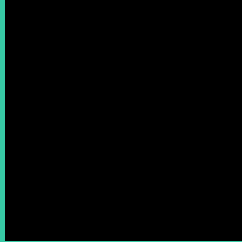
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

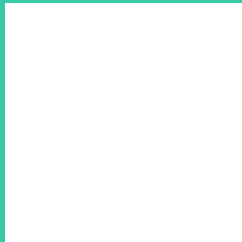
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 45.3021, 0.2493, 0.3860

Background



This preview shows how black text looks on a background with the Yxy color 45.3021, 0.2493, 0.3860.

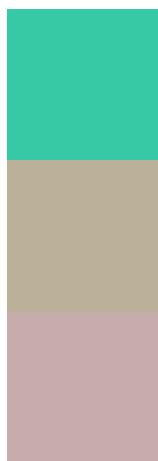


This preview shows how white text looks on a background with the Yxy color 45.3021, 0.2493, 0.3860.

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

45.3021, 0.2493, 0.3860

Protanopia

44.3090, 0.3419, 0.3610

Deuteranopia

44.4511, 0.3373, 0.3303



Tritanopia

45.3531, 0.2320, 0.3057

Trichromacy



Original Color

45.3021, 0.2493, 0.3860



Protanomaly

43.0411, 0.2963, 0.3719



Deuteranomaly

42.8425, 0.2930, 0.3492



Tritanomaly

45.1296, 0.2380, 0.3333

Monochromacy



Original Color

45.3021, 0.2493, 0.3860



Achromatopsia

31.8547, 0.3127, 0.3290



Achromatomaly

34.9657, 0.2781, 0.3499

CSS Examples

Text

The CSS property to change the color of the text to Yxy 45.3021, 0.2493, 0.3860 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(55, 201, 165)` looks like.

```
.text, #text, p{  
    color:rgb(55, 201, 165)  
}
```

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(55, 201, 165) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(55, 201, 165) }
```

Border

The CSS property to change the border of an element to Yxy 45.3021, 0.2493, 0.3860 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(55, 201, 165) }
```

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

```
.border{ border-color:rgb(55, 201, 165) }
```

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

Here you see how a box with a 4 pixel `rgb(55, 201, 165)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(55, 201, 165); -webkit-box-  
shadow:4px 4px 4px 4px rgb(55, 201, 165);  
box-shadow:4px 4px 4px 4px rgb(55, 201,  
165) }
```


Background

The CSS property to change the background color of an element to Yxy 45.3021, 0.2493, 0.3860 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(55, 201, 165) }
```

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

```
.background{ background-color: rgb(55, 201,  
165) }
```

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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