

Converting Colors

$Y_{xy}(44.3371, 0.2562, 0.3981)$

Have a look what the booklet for
Yxy(44.3371, 0.2562, 0.3981)
contains.

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Color

Yxy(44.3371, 0.2562, 0.3981)

Conversions

Conversions Part 1

Format	Color
Hex	40C79C
RGB	64, 199, 156
RGB Percent	25%, 78%, 61%
CMY	0.7493, 0.2196, 0.3883
CMYK	0.68, 0.00, 0.22, 0.22
HSL	161°, 55%, 52%
HSV	161°, 68%, 78%
XYZ	28.5334, 44.3371, 38.5012
YIQ	153.7330, -66.6570, -41.9930

Conversions

Conversions Part 2

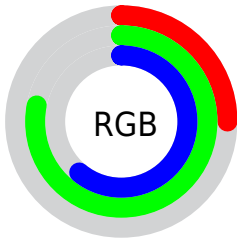
Format	Color
RYB	64, 144, 199
Decimal	4245404
CIELab	72.45, -46.47, 11.08
CIELCh	72, 47.774, 166.592
Yxy	44.3371, 0.2562, 0.3981
Android (android.graphics.Color)	4282435484 (0xFF40C79C)
YUV	153.7330, 1.1176, -78.6958
Hunter-Lab	66.5861, -40.0350, 12.3278

Details

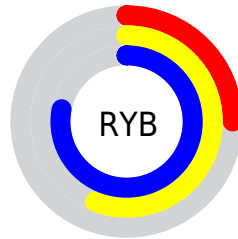
The Yxy color **44.3371, 0.2562, 0.3981** is a dark color, and the websafe version is hex **33CC99**. The color can be described as middle muted spring green. A complement of this color would be **16.8612, 0.4629, 0.2784**, and the grayscale version is **32.1991, 0.3127, 0.3290**.

A 20% lighter version of the original color is **80.7352, 0.2664, 0.3822**, and **20.9664, 0.2493, 0.4173** is the 20% darker color. If you saturate the color by 10%, you get **43.5783, 0.2536, 0.4103**, and if you desaturate by 10%, it is **45.3484, 0.2607, 0.3861**.

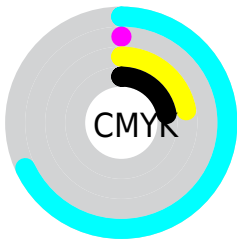
Distribution



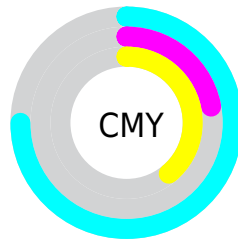
- Red (25%)
- Green (78%)
- Blue (61%)



- Red (25%)
- Yellow (56%)
- Blue (78%)



- Cyan (68%)
- Magenta (0%)
- Yellow (22%)
- Black (22%)





- Cyan (75%)
- Magenta (22%)
- Yellow (39%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 44.3371, 0.2562, 0.3981 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 44.3371, 0.2562, 0.3981 by changing the saturation by 10% instead.


 44.3371, 0.2562,
0.3981

 44.3371, 0.2562,
0.3981


364.0821, 0.2853,
0.3618

 30.9356, 0.2487,
0.4077

 81.7248, 0.2669,
0.3845


 20.5498, 0.2390,
0.4204


 106.4797, 0.2709,
0.3795


 12.7953, 0.2258,
0.4379

 135.7879, 0.2743,
0.3754

 7.2878, 0.2071,
0.4635

 170.0339, 0.2771,
0.3718

 3.6427, 0.1786,
0.5042

 209.6018, 0.2796,
0.3688

 1.4758, 0.0740,
0.6205

254.8763, 0.2817,

 0.2716, 0.0000,

0.3662

1.0000

306.2416, 0.2836,
0.3639

■ 0.0000, 0.0000,
0.0000

■ 44.3371, 0.2562,
0.3981

■ 44.3371, 0.2562,
0.3981

■ 43.5783, 0.2536,
0.4103

■ 45.3484, 0.2607,
0.3861

■ 43.0400, 0.2531,
0.4224

■ 46.6299, 0.2670,
0.3746

■ 42.6844, 0.2544,
0.4344

■ 48.2037, 0.2747,
0.3636

■ 42.6189, 0.2547,
0.4370

■ 50.0881, 0.2837,
0.3533

■ 52.2998, 0.2936,
0.3439

■ 54.8543, 0.3042,
0.3352

■ 57.7663, 0.3150,
0.3274

■ 61.0494, 0.3261,
0.3204

■ 64.7165, 0.3371,
0.3143

Harmonies

Analogous

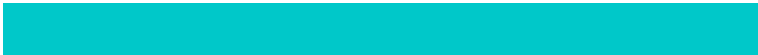
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



44.3371, 0.3187, 0.4464



44.3371, 0.2562, 0.3981



44.3371, 0.2119, 0.3273

Triad

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



44.3371, 0.2562, 0.3981



44.3371, 0.2374, 0.2247



44.3371, 0.4478, 0.3677

Complementary

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



44.3371, 0.2562, 0.3981



16.8612, 0.4629, 0.2784

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.



44.3371, 0.4230, 0.3167



44.3371, 0.2562, 0.3981



44.3371, 0.2947, 0.2387

Square

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



44.3371, 0.2562, 0.3981



44.3371, 0.2029, 0.2332



44.3371, 0.3641, 0.2713



44.3371, 0.4313, 0.4164

Rectangle

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



44.3371, 0.2562, 0.3981



44.3371, 0.1969, 0.2848



44.3371, 0.3641, 0.2713



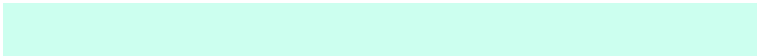
44.3371, 0.4442, 0.3505

Sweetspot

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



44.3389, 0.2562, 0.3981



90.5751, 0.2912, 0.3461



44.4688, 0.3288, 0.5289



19.1463, 0.2883, 0.3488



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.



44.3389, 0.2562, 0.3981



75.8432, 0.2532, 0.4155



36.4563, 0.2260, 0.2938



12.0079, 0.3025, 0.3365



27.4182, 0.2543, 0.4353



1.3110, 0.2473, 0.4103

Inverse Universe

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



16.8612, 0.4629, 0.2784



24.6310, 0.5135, 0.2788



19.2376, 0.5140, 0.3552



10.6917, 0.3240, 0.3217



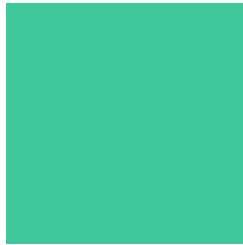
8.0553, 0.5673, 0.2899



0.3947, 0.5071, 0.2567

Previews

White Background



This preview shows how the Yxy color 44.3371, 0.2562, 0.3981 looks on a white background.

Color Contrast Check

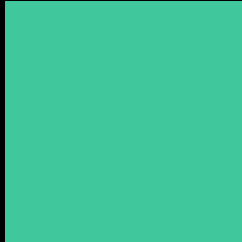
Large Text (above 18pt) WCAG AA × Fail

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 44.3371, 0.2562, 0.3981 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

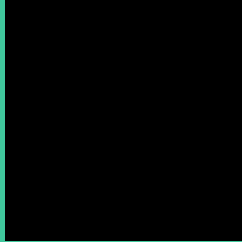
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 44.3371, 0.2562, 0.3981

Background



This preview shows how black text looks on a background with the Yxy color 44.3371, 0.2562, 0.3981.

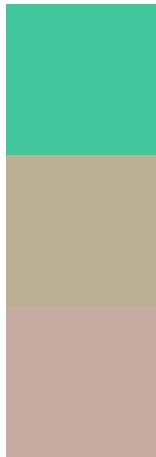


This preview shows how white text looks on a background with the Yxy color 44.3371, 0.2562, 0.3981.

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

44.3371, 0.2562, 0.3981

Protanopia

43.6598, 0.3490, 0.3705

Deuteranopia

43.5002, 0.3468, 0.3394



Tritanopia

44.2318, 0.2354, 0.3056

Trichromacy



Original Color

44.3371, 0.2562, 0.3981



Protanomaly

42.2017, 0.3045, 0.3811



Deuteranomaly

42.0698, 0.3029, 0.3595



Tritanomaly

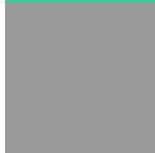
44.3240, 0.2427, 0.3379

Monochromacy



Original Color

44.3371, 0.2562, 0.3981



Achromatopsia

32.3143, 0.3127, 0.3290



Achromatomaly

35.1810, 0.2827, 0.3530

CSS Examples

Text

The CSS property to change the color of the text to Yxy 44.3371, 0.2562, 0.3981 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(64, 199, 156)` looks like.

```
.text, #text, p{  
    color:rgb(64, 199, 156)  
}
```

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(64, 199, 156) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(64, 199, 156) }
```

Border

The CSS property to change the border of an element to Yxy 44.3371, 0.2562, 0.3981 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(64, 199, 156) }
```

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

```
.border{ border-color:rgb(64, 199, 156) }
```

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

Here you see how a box with a 4 pixel `rgb(64, 199, 156)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(64, 199, 156); -webkit-box-  
shadow:4px 4px 4px 4px rgb(64, 199, 156);  
box-shadow:4px 4px 4px 4px rgb(64, 199,  
156) }
```


Background

The CSS property to change the background color of an element to Yxy 44.3371, 0.2562, 0.3981 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(64, 199, 156) }
```

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

```
.background{ background-color: rgb(64, 199,  
156) }
```

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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