

Converting Colors

$Y_{xy}(39.6682, 0.2512, 0.3949)$

Have a look what the booklet for
Yxy(39.6682, 0.2512, 0.3949)
contains.

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Color

Yxy(39.7142, 0.2512, 0.3948)

Conversions

Conversions Part 1

Format	Color
Hex	31BE97
RGB	49, 190, 151
RGB Percent	19%, 75%, 59%
CMY	0.8075, 0.2549, 0.4079
CMYK	0.74, 0.00, 0.21, 0.25
HSL	163°, 59%, 47%
HSV	163°, 74%, 75%
XYZ	25.2690, 39.7142, 35.6100
YIQ	143.3950, -71.5170, -42.0210

Conversions

Conversions Part 2

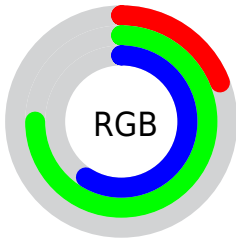
Format	Color
RYB	49, 131, 190
Decimal	3260055
CIELab	69.27, -46.02, 9.21
CIELCh	69, 46.933, 168.678
Yxy	39.7142, 0.2512, 0.3948
Android (android.graphics.Color)	4281450135 (0xFF31BE97)
YUV	143.3950, 3.7493, -82.7844
Hunter-Lab	63.0192, -38.7099, 10.6107

Details

The Yxy color **39.7142, 0.2512, 0.3948** is a dark color, and the websafe version is hex **33CC99**. A complement of this color would be **13.8581, 0.4957, 0.2850**, and the grayscale version is **27.6521, 0.3127, 0.3290**.

A 20% lighter version of the original color is **74.6423, 0.2632, 0.3817**, and **18.5284, 0.2485, 0.4147** is the 20% darker color. If you saturate the color by 10%, you get **39.1707, 0.2495, 0.4052**, and if you desaturate by 10%, it is **40.4675, 0.2549, 0.3845**.

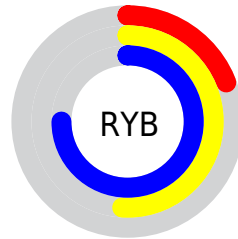
Distribution



Red (19%)

Green (75%)

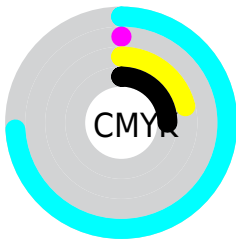
Blue (59%)



Red (19%)

Yellow (51%)

Blue (75%)

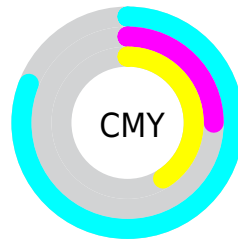


Cyan (74%)

Magenta (0%)

Yellow (21%)

Black (25%)



Cyan (81%)


Magenta (25%)

Yellow (41%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 39.7142, 0.2512, 0.3948 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 39.7142, 0.2512, 0.3948 by changing the saturation by 10% instead.


 39.7142, 0.2512,
0.3948


 39.7142, 0.2512,
0.3948


344.9175, 0.2832,
0.3598

 27.3158, 0.2428,
0.4043


 74.7281, 0.2631,
0.3816

 17.8105, 0.2318,
0.4169


 98.1124, 0.2675,
0.3767

 10.8140, 0.2169,
0.4345


 125.9274, 0.2712,
0.3727

 5.9419, 0.1953,
0.4606

 158.5576, 0.2743,
0.3693

 2.8098, 0.1621,
0.5032

 196.3873, 0.2770,
0.3664

 1.0333, 0.0000,
0.6861

239.8009, 0.2793,

 0.0000, 0.0000,

0.3639

0.0000

289.1828, 0.2814,
0.3617

■ 39.7142, 0.2512,
0.3948

■ 39.7142, 0.2512,
0.3948

■ 39.1707, 0.2495,
0.4052

■ 40.4675, 0.2549,
0.3845

■ 38.8055, 0.2497,
0.4155

■ 41.4485, 0.2604,
0.3744

■ 38.6439, 0.2504,
0.4216

■ 42.6780, 0.2676,
0.3647

■ 44.1733, 0.2763,
0.3555

■ 45.9502, 0.2861,
0.3469

■ 48.0232, 0.2967,
0.3390

■ 50.4057, 0.3079,
0.3318

■ 53.1105, 0.3195,
0.3253

■ 56.1493, 0.3311,
0.3195

Harmonies

Analogous

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



39.7142, 0.3139, 0.4469



39.7142, 0.2512, 0.3948



39.7142, 0.2080, 0.3222

Triad

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



39.7142, 0.2512, 0.3948



39.7142, 0.2394, 0.2233



39.7142, 0.4504, 0.3717

Complementary

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



39.7142, 0.2512, 0.3948



13.8581, 0.4957, 0.2850

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.



39.7142, 0.4282, 0.3198



39.7142, 0.2512, 0.3948



39.7142, 0.2990, 0.2390

Square

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



39.7142, 0.2512, 0.3948



39.7142, 0.2027, 0.2301



39.7142, 0.3699, 0.2732



39.7142, 0.4307, 0.4207

Rectangle

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



39.7142, 0.2512, 0.3948



39.7142, 0.1941, 0.2799



39.7142, 0.3699, 0.2732



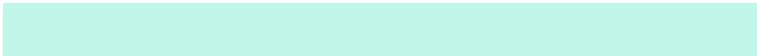
39.7142, 0.4478, 0.3543

Sweetspot

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



39.7158, 0.2512, 0.3948



83.9070, 0.2879, 0.3454



39.1735, 0.3228, 0.5477



18.2138, 0.2851, 0.3477



97.7402, 0.3127, 0.3290



20.4902, 0.3127, 0.3290

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



39.7158, 0.2512, 0.3948



70.5345, 0.2494, 0.4117



29.3313, 0.2184, 0.2779



10.7633, 0.3021, 0.3354



25.7105, 0.2501, 0.4202



1.0176, 0.2432, 0.3956

Inverse Universe

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



13.8581, 0.4957, 0.2850



21.3383, 0.5551, 0.2914



16.8524, 0.5314, 0.3635



9.5786, 0.3246, 0.3227



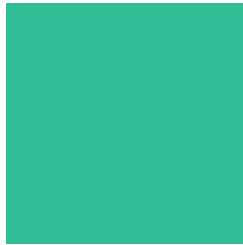
7.4593, 0.5814, 0.2976



0.3037, 0.5109, 0.2588

Previews

White Background



This preview shows how the Yxy color 39.7142, 0.2512, 0.3948 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 39.7142, 0.2512, 0.3948 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

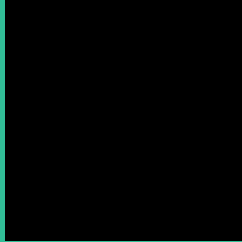
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 39.7142, 0.2512, 0.3948

Background



This preview shows how black text looks on a background with the Yxy color 39.7142, 0.2512, 0.3948.



This preview shows how white text looks on a background with the Yxy color 39.7142, 0.2512, 0.3948.

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

39.7142, 0.2512, 0.3948

Protanopia

38.8780, 0.3463, 0.3670

Deuteranopia

38.9663, 0.3425, 0.3358



Tritanopia

39.7747, 0.2325, 0.3074

Trichromacy



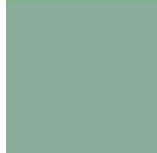
Original Color

39.7142, 0.2512, 0.3948



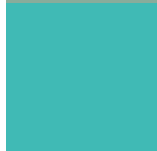
Protanomaly

37.4194, 0.2986, 0.3778



Deuteranomaly

37.1900, 0.2959, 0.3551



Tritanomaly

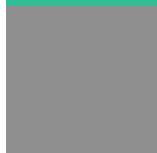
39.5440, 0.2386, 0.3367

Monochromacy



Original Color

39.7142, 0.2512, 0.3948



Achromatopsia

27.4677, 0.3127, 0.3290



Achromatomaly

30.4681, 0.2787, 0.3529

CSS Examples

Text

The CSS property to change the color of the text to Yxy 39.7142, 0.2512, 0.3948 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(49, 190, 151)` looks like.

```
.text, #text, p{  
  color:rgb(49, 190, 151)  
}
```

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(49, 190, 151) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(49, 190, 151) }
```

Border

The CSS property to change the border of an element to Yxy 39.7142, 0.2512, 0.3948 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(49, 190, 151) }
```

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

```
.border{ border-color:rgb(49, 190, 151) }
```

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

Here you see how a box with a 4 pixel `rgb(49, 190, 151)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(49, 190, 151); -webkit-box-  
shadow:4px 4px 4px 4px rgb(49, 190, 151);  
box-shadow:4px 4px 4px 4px rgb(49, 190,  
151) }
```


Background

The CSS property to change the background color of an element to Yxy 39.7142, 0.2512, 0.3948 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(49, 190, 151) }
```

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

```
.background{ background-color: rgb(49, 190,  
151) }
```

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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