

Converting Colors

$Yxy(35.9733, 0.2415, 0.3800)$

Have a look what the booklet for
Yxy(35.9733, 0.2415, 0.3800)
contains.

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Color

Yxy(35.9500, 0.2414, 0.3797)

Conversions

Conversions Part 1

Format	Color
Hex	18B699
RGB	24, 182, 153
RGB Percent	9%, 71%, 60%
CMY	0.9056, 0.2863, 0.4000
CMYK	0.87, 0.00, 0.16, 0.29
HSL	169°, 77%, 40%
HSV	169°, 87%, 71%
XYZ	22.8558, 35.9500, 35.8743
YIQ	131.4520, -84.8590, -42.5150

Conversions

Conversions Part 2

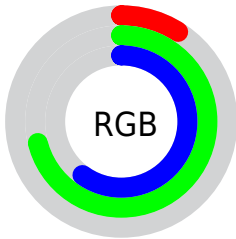
Format	Color
RYB	24, 111, 182
Decimal	1619609
CIELab	66.48, -44.60, 4.07
CIElCh	66, 44.785, 174.780
Yxy	35.9500, 0.2414, 0.3797
Android (android.graphics.Color)	4279809689 (0xFF18B699)
YUV	131.4520, 10.6232, -94.2354
Hunter-Lab	59.9583, -36.8839, 6.4964

Details

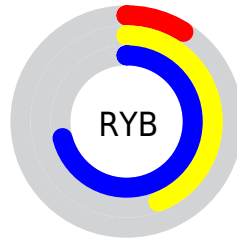
The Yxy color **35.9500, 0.2414, 0.3797** is a dark color, and the websafe version is hex **33CC99**. A complement of this color would be **10.8587, 0.5704, 0.3057**, and the grayscale version is **22.8587, 0.3127, 0.3290**.

A 20% lighter version of the original color is **69.1216, 0.2556, 0.3702**, and **16.3977, 0.2425, 0.3931** is the 20% darker color. If you saturate the color by 10%, you get **35.6854, 0.2411, 0.3862**, and if you desaturate by 10%, it is **36.3662, 0.2434, 0.3731**.

Distribution



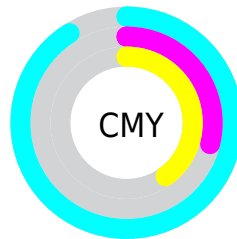
- Red (9%)
- Green (71%)
- Blue (60%)



- Red (9%)
- Yellow (44%)
- Blue (71%)



- Cyan (87%)
- Magenta (0%)
- Yellow (16%)
- Black (29%)




- Cyan (91%)
- Magenta (29%)
- Yellow (40%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 35.9500, 0.2414, 0.3797 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 35.9500, 0.2414, 0.3797 by changing the saturation by 10% instead.

 35.9500, 0.2414,
0.3797


 35.9500, 0.2414,
0.3797


328.7420, 0.2786,
0.3528

 24.3956, 0.2317,
0.3869


 68.9549, 0.2552,
0.3696


 15.6273, 0.2189,
0.3965


 91.1741, 0.2603,
0.3659


 9.2608, 0.2016,
0.4098


 117.7171, 0.2646,
0.3628

 4.9117, 0.1767,
0.4295

 148.9683, 0.2682,
0.3602

 2.1955, 0.1360,
0.4625

 185.3119, 0.2714,
0.3580

 0.7176, 0.0000,
0.5911

227.1325, 0.2741,

 0.0000, 0.0000,

0.3560

0.0000

274.8144, 0.2765,
0.3543

■ 35.9500, 0.2414,
0.3797

■ 35.9500, 0.2414,
0.3797

■ 35.6854, 0.2411,
0.3862

■ 36.3662, 0.2434,
0.3731

■ 35.6131, 0.2412,
0.3883

■ 36.9587, 0.2473,
0.3665

■ 37.7496, 0.2531,
0.3601

■ 38.7570, 0.2607,
0.3538

■ 39.9969, 0.2699,
0.3478

■ 41.4836, 0.2803,
0.3421

■ 43.2304, 0.2918,
0.3369

■ 45.2495, 0.3041,
0.3320

■ 47.5526, 0.3169,
0.3276

Harmonies

Analogous

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



35.9500, 0.3006, 0.4380



35.9500, 0.2414, 0.3797



35.9500, 0.2038, 0.3087

Triad

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



35.9500, 0.2414, 0.3797



35.9500, 0.2507, 0.2260



35.9500, 0.4479, 0.3818

Complementary

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



35.9500, 0.2414, 0.3797



10.8587, 0.5704, 0.3057

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.



35.9500, 0.4345, 0.3303



35.9500, 0.2414, 0.3797



35.9500, 0.3132, 0.2456

Square

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



35.9500, 0.2414, 0.3797



35.9500, 0.2093, 0.2280



35.9500, 0.3827, 0.2825



35.9500, 0.4211, 0.4282

Rectangle

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



35.9500, 0.2414, 0.3797



35.9500, 0.1938, 0.2700



35.9500, 0.3827, 0.2825



35.9500, 0.4482, 0.3647

Sweetspot

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



35.9514, 0.2414, 0.3797



75.3079, 0.2807, 0.3419



34.3532, 0.3116, 0.5785



16.4150, 0.2769, 0.3438



93.3107, 0.3127, 0.3290



18.7317, 0.3127, 0.3290

Same Dimension

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



35.9514, 0.2414, 0.3797



64.5331, 0.2415, 0.3894



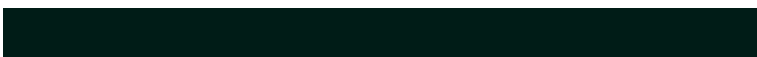
20.7945, 0.2037, 0.2430



10.1816, 0.3009, 0.3332



25.1584, 0.2410, 0.3876



0.8943, 0.2363, 0.3707

Inverse Universe

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



10.8587, 0.5704, 0.3057



18.2087, 0.6148, 0.3160



14.5747, 0.5596, 0.3752



9.0384, 0.3260, 0.3248



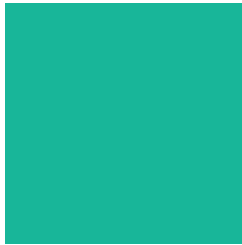
7.1096, 0.6090, 0.3128



0.2589, 0.5419, 0.2759

Previews

White Background



This preview shows how the Yxy color 35.9500, 0.2414, 0.3797 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 35.9500, 0.2414, 0.3797 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

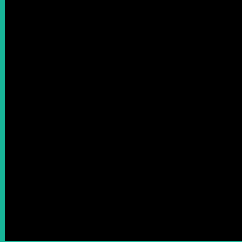
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 35.9500, 0.2414, 0.3797

Background



This preview shows how black text looks on a background with the Yxy color 35.9500, 0.2414, 0.3797.

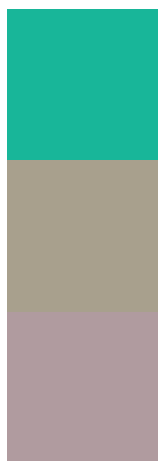


This preview shows how white text looks on a background with the Yxy color 35.9500, 0.2414, 0.3797.

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

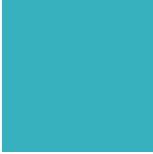
35.9500, 0.2414, 0.3797

Protanopia

35.3895, 0.3380, 0.3568

Deuteranopia

35.1760, 0.3299, 0.3234



Tritanopia

36.0466, 0.2274, 0.3064

Trichromacy



Original Color

35.9500, 0.2414, 0.3797



Protanomaly

33.7626, 0.2861, 0.3670



Deuteranomaly

33.4095, 0.2806, 0.3418



Tritanomaly

35.9500, 0.2318, 0.3321

Monochromacy



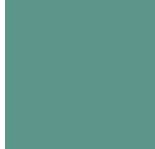
Original Color

35.9500, 0.2414, 0.3797



Achromatopsia

22.6966, 0.3127, 0.3290



Achromatomaly

25.9521, 0.2689, 0.3492

CSS Examples

Text

The CSS property to change the color of the text to Yxy 35.9500, 0.2414, 0.3797 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(24, 182, 153)` looks like.

```
.text, #text, p{  
    color:rgb(24, 182, 153)  
}
```

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(24, 182, 153) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(24, 182, 153) }
```

Border

The CSS property to change the border of an element to Yxy 35.9500, 0.2414, 0.3797 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(24, 182, 153) }
```

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

```
.border{ border-color:rgb(24, 182, 153) }
```

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

Here you see how a box with a 4 pixel rgb(24, 182, 153) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(24, 182, 153); -webkit-box-  
shadow:4px 4px 4px 4px rgb(24, 182, 153);  
box-shadow:4px 4px 4px 4px rgb(24, 182,  
153) }
```


Background

The CSS property to change the background color of an element to Yxy 35.9500, 0.2414, 0.3797 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(24, 182, 153) }
```

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

```
.background{ background-color: rgb(24, 182,  
153) }
```

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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