

Converting Colors

$Yxy(34.4715, 0.2399, 0.3492)$

Have a look what the booklet for
Yxy(34.4715, 0.2399, 0.3492)
contains.

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Color

Yxy(34.4879, 0.2400, 0.3494)

Conversions

Conversions Part 1

Format	Color
Hex	35B0A4
RGB	53, 176, 164
RGB Percent	21%, 69%, 64%
CMY	0.7926, 0.3098, 0.3569
CMYK	0.70, 0.00, 0.07, 0.31
HSL	174°, 54%, 45%
HSV	174°, 70%, 69%
XYZ	23.6895, 34.4879, 40.5287
YIQ	137.8550, -69.4560, -29.8080

Conversions

Conversions Part 2

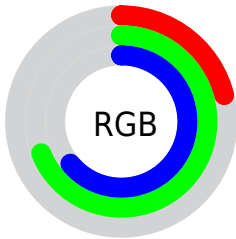
Format	Color
RYB	53, 118, 176
Decimal	3518628
CIELab	65.35, -35.98, -3.61
CIElCh	65, 36.158, 185.734
Yxy	34.4879, 0.2400, 0.3494
Android (android.graphics.Color)	4281708708 (0xFF35B0A4)
YUV	137.8550, 12.8895, -74.4178
Hunter-Lab	58.7264, -30.7666, 0.1908

Details

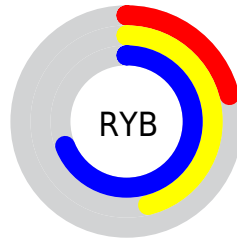
The Yxy color **34.4879, 0.2400, 0.3494** is a dark color, and the websafe version is hex **009999**. A complement of this color would be **12.1478, 0.5222, 0.3152**, and the grayscale version is **25.3160, 0.3127, 0.3290**.

A 20% lighter version of the original color is **66.6096, 0.2539, 0.3453**, and **15.3358, 0.2322, 0.3558** is the 20% darker color. If you saturate the color by 10%, you get **34.0361, 0.2360, 0.3527**, and if you desaturate by 10%, it is **35.1182, 0.2458, 0.3461**.

Distribution



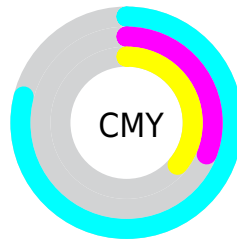
- Red (21%)
- Green (69%)
- Blue (64%)



- Red (21%)
- Yellow (46%)
- Blue (69%)



- Cyan (70%)
- Magenta (0%)
- Yellow (7%)
- Black (31%)





- Cyan (79%)
- Magenta (31%)
- Yellow (36%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 34.4879, 0.2400, 0.3494 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 34.4879, 0.2400, 0.3494 by changing the saturation by 10% instead.


 34.4879, 0.2400,
0.3494


 34.4879, 0.2400,
0.3494


322.3021, 0.2776,
0.3393


 23.2687, 0.2303,
0.3519


 66.6917, 0.2539,
0.3458


 14.7920, 0.2176,
0.3550


 88.4450, 0.2591,
0.3444


 8.6735, 0.2004,
0.3590


 114.4785, 0.2634,
0.3432

 4.5289, 0.1760,
0.3641

 145.1766, 0.2671,
0.3422

 1.9736, 0.1385,
0.3710

 180.9235, 0.2703,
0.3413

 0.5921, 0.0000,
0.3975

222.1039, 0.2730,

 0.0000, 0.0000,

0.3406

0.0000

269.1019, 0.2755,
0.3399

■ 34.4879, 0.2400,
0.3494

■ 34.4879, 0.2400,
0.3494

■ 34.0361, 0.2360,
0.3527

■ 35.1182, 0.2458,
0.3461

■ 33.7386, 0.2339,
0.3560

■ 35.9402, 0.2535,
0.3429

■ 33.5535, 0.2332,
0.3593

■ 36.9706, 0.2629,
0.3397

■ 33.5527, 0.2331,
0.3593

■ 38.2228, 0.2738,
0.3368

■ 39.7095, 0.2859,
0.3340

■ 41.4421, 0.2990,
0.3314

■ 43.4316, 0.3128,
0.3290

■ 45.6880, 0.3270,
0.3268

■ 48.2209, 0.3414,
0.3249

Harmonies

Analogous

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



34.4879, 0.2844, 0.4024



34.4879, 0.2400, 0.3494



34.4879, 0.2157, 0.2950

Triad

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



34.4879, 0.2400, 0.3494



34.4879, 0.2791, 0.2464



34.4879, 0.4199, 0.3900

Complementary

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



34.4879, 0.2400, 0.3494



12.1478, 0.5222, 0.3152

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.



34.4879, 0.4205, 0.3476



34.4879, 0.2400, 0.3494



34.4879, 0.3348, 0.2690

Square

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



34.4879, 0.2400, 0.3494



34.4879, 0.2367, 0.2415



34.4879, 0.3883, 0.3048



34.4879, 0.3890, 0.4221

Rectangle

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



34.4879, 0.2400, 0.3494



34.4879, 0.2125, 0.2675



34.4879, 0.3883, 0.3048



34.4879, 0.4238, 0.3764

Sweetspot

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



34.4892, 0.2400, 0.3494



71.6016, 0.2841, 0.3343



32.4418, 0.3088, 0.5457



15.3547, 0.2808, 0.3351



89.0005, 0.3127, 0.3290



17.0645, 0.3127, 0.3290

Same Dimension

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



34.4892, 0.2400, 0.3494



61.3915, 0.2346, 0.3545



19.0060, 0.2115, 0.2384



9.6170, 0.2998, 0.3312



24.6195, 0.2331, 0.3590



0.7787, 0.2305, 0.3498

Inverse Universe

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



12.1478, 0.5222, 0.3152



18.3271, 0.5874, 0.3182



19.0170, 0.4844, 0.3952



8.5183, 0.3272, 0.3268



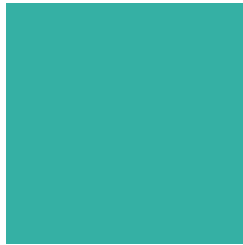
6.8066, 0.6268, 0.3227



0.2185, 0.5796, 0.2967

Previews

White Background



This preview shows how the Yxy color 34.4879, 0.2400, 0.3494 looks on a white background.

Color Contrast Check

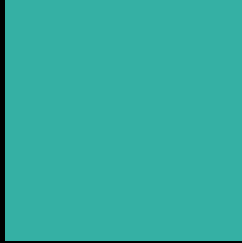
Large Text (above 18pt) WCAG AA × Fail

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 34.4879, 0.2400, 0.3494 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

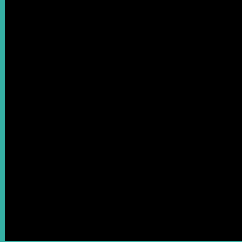
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 34.4879, 0.2400, 0.3494

Background



This preview shows how black text looks on a background with the Yxy color 34.4879, 0.2400, 0.3494.

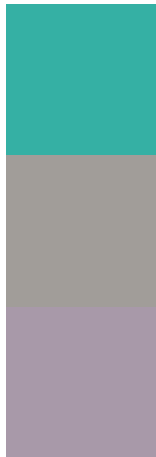


This preview shows how white text looks on a background with the Yxy color 34.4879, 0.2400, 0.3494.

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

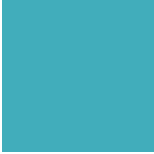
34.4879, 0.2400, 0.3494

Protanopia

33.9909, 0.3203, 0.3350

Deuteranopia

33.9719, 0.3128, 0.3062



Tritanopia

34.5988, 0.2309, 0.3062

Trichromacy



Original Color

34.4879, 0.2400, 0.3494



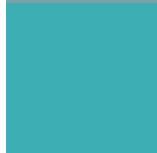
Protanomaly

33.1228, 0.2813, 0.3402



Deuteranomaly

32.7154, 0.2765, 0.3194



Tritanomaly

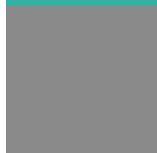
34.5189, 0.2340, 0.3205

Monochromacy



Original Color

34.4879, 0.2400, 0.3494



Achromatopsia

25.4152, 0.3127, 0.3290



Achromatomaly

27.6889, 0.2751, 0.3376

CSS Examples

Text

The CSS property to change the color of the text to Yxy 34.4879, 0.2400, 0.3494 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(53, 176, 164)` looks like.

```
.text, #text, p{  
    color:rgb(53, 176, 164)  
}
```

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(53, 176, 164) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(53, 176, 164) }
```

Border

The CSS property to change the border of an element to Yxy 34.4879, 0.2400, 0.3494 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(53, 176, 164) }
```

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

```
.border{ border-color:rgb(53, 176, 164) }
```

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

Here you see how a box with a 4 pixel `rgb(53, 176, 164)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(53, 176, 164); -webkit-box-  
shadow:4px 4px 4px 4px rgb(53, 176, 164);  
box-shadow:4px 4px 4px 4px rgb(53, 176,  
164) }
```


Background

The CSS property to change the background color of an element to Yxy 34.4879, 0.2400, 0.3494 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(53, 176, 164) }
```

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

```
.background{ background-color: rgb(53, 176,  
164) }
```

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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