

Converting Colors

$Yxy(35.8543, 0.2541, 0.3836)$

Have a look what the booklet for
Yxy(35.8543, 0.2541, 0.3836)
contains.

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Color

Yxy(35.8374, 0.2544, 0.3844)

Conversions

Conversions Part 1

Format	Color
Hex	3FB494
RGB	63, 180, 148
RGB Percent	25%, 71%, 58%
CMY	0.7527, 0.2941, 0.4197
CMYK	0.65, 0.00, 0.18, 0.29
HSL	164°, 48%, 48%
HSV	164°, 65%, 71%
XYZ	23.7176, 35.8374, 33.6745
YIQ	141.3690, -59.4600, -34.7560

Conversions

Conversions Part 2

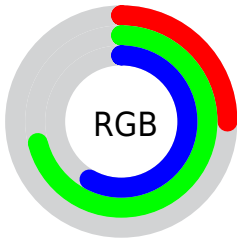
Format	Color
RYB	63, 131, 180
Decimal	4174996
CIELab	66.40, -40.37, 6.81
CIELCh	66, 40.938, 170.426
Yxy	35.8374, 0.2544, 0.3844
Android (android.graphics.Color)	4282365076 (0xFF3FB494)
YUV	141.3690, 3.2691, -68.7296
Hunter-Lab	59.8643, -34.0429, 8.5536

Details

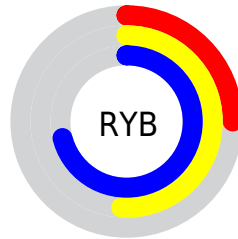
The Yxy color **35.8374, 0.2544, 0.3844** is a dark color, and the websafe version is hex **66CC99**. A complement of this color would be **14.0926, 0.4614, 0.2868**, and the grayscale version is **26.7990, 0.3127, 0.3290**.

A 20% lighter version of the original color is **68.4661, 0.2656, 0.3725**, and **15.7848, 0.2450, 0.4021** is the 20% darker color. If you saturate the color by 10%, you get **35.1866, 0.2508, 0.3946**, and if you desaturate by 10%, it is **36.6915, 0.2598, 0.3744**.

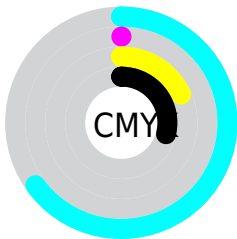
Distribution



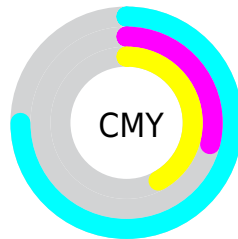
- Red (25%)
- Green (71%)
- Blue (58%)



- Red (25%)
- Yellow (51%)
- Blue (71%)



- Cyan (65%)
- Magenta (0%)
- Yellow (18%)
- Black (29%)




- Cyan (75%)
- Magenta (29%)
- Yellow (42%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 35.8374, 0.2544, 0.3844 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 35.8374, 0.2544, 0.3844 by changing the saturation by 10% instead.

 35.8374, 0.2544,
0.3844


 35.8374, 0.2544,
0.3844


328.2493, 0.2851,
0.3547


 24.3086, 0.2462,
0.3926


 68.7810, 0.2659,
0.3731

 15.5627, 0.2354,
0.4035


 90.9647, 0.2701,
0.3690


 9.2153, 0.2205,
0.4189


 117.4688, 0.2737,
0.3656

 4.8819, 0.1988,
0.4422

 148.6777, 0.2766,
0.3627

 2.1781, 0.1635,
0.4815

 184.9758, 0.2792,
0.3603

 0.7080, 0.0000,
0.7060

226.7475, 0.2814,

 0.0000, 0.0000,

0.3581

0.0000

274.3772, 0.2834,
0.3563

■ 35.8374, 0.2544,
0.3844

■ 35.8374, 0.2544,
0.3844

■ 35.1866, 0.2508,
0.3946

■ 36.6915, 0.2598,
0.3744

■ 34.7150, 0.2492,
0.4048

■ 37.7616, 0.2670,
0.3649

■ 34.3999, 0.2495,
0.4150

■ 39.0646, 0.2755,
0.3558

■ 34.2735, 0.2500,
0.4201

■ 40.6143, 0.2853,
0.3473

■ 42.4233, 0.2958,
0.3394

■ 44.5037, 0.3070,
0.3323

■ 46.8664, 0.3185,
0.3258

■ 49.5221, 0.3302,
0.3201

■ 52.4806, 0.3418,
0.3150

Harmonies

Analogous

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



35.8374, 0.3110, 0.4326



35.8374, 0.2544, 0.3844



35.8374, 0.2158, 0.3199

Triad

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



35.8374, 0.2544, 0.3844



35.8374, 0.2488, 0.2325



35.8374, 0.4373, 0.3720

Complementary

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



35.8374, 0.2544, 0.3844



14.0926, 0.4614, 0.2868

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.



35.8374, 0.4191, 0.3241



35.8374, 0.2544, 0.3844



35.8374, 0.3043, 0.2480

Square

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



35.8374, 0.2544, 0.3844



35.8374, 0.2134, 0.2379



35.8374, 0.3682, 0.2804



35.8374, 0.4183, 0.4157

Rectangle

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



35.8374, 0.2544, 0.3844



35.8374, 0.2037, 0.2823



35.8374, 0.3682, 0.2804



35.8374, 0.4355, 0.3560

Sweetspot

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



35.8388, 0.2544, 0.3844



75.4335, 0.2911, 0.3428



35.4995, 0.3246, 0.5223



16.1063, 0.2882, 0.3450



91.1408, 0.3127, 0.3290



17.8868, 0.3127, 0.3290

Same Dimension

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



35.8388, 0.2544, 0.3844



63.3890, 0.2499, 0.3991



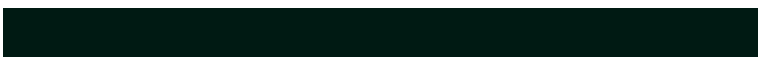
27.6847, 0.2263, 0.2854



9.5910, 0.3021, 0.3353



23.9324, 0.2497, 0.4189



0.7622, 0.2419, 0.3907

Inverse Universe

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



14.0926, 0.4614, 0.2868



20.9694, 0.5150, 0.2863



17.1076, 0.4931, 0.3629



8.5422, 0.3245, 0.3228



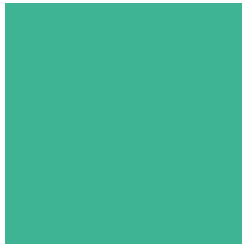
6.9387, 0.5817, 0.2978



0.2284, 0.5013, 0.2535

Previews

White Background



This preview shows how the Yxy color 35.8374, 0.2544, 0.3844 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 35.8374, 0.2544, 0.3844 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 35.8374, 0.2544, 0.3844

Background



This preview shows how black text looks on a background with the Yxy color 35.8374, 0.2544, 0.3844.

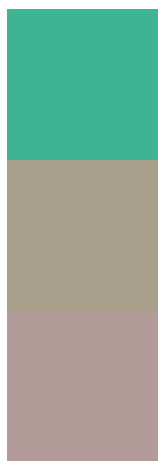


This preview shows how white text looks on a background with the Yxy color 35.8374, 0.2544, 0.3844.

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

35.8374, 0.2544, 0.3844

Protanopia

35.3014, 0.3409, 0.3613

Deuteranopia

35.2076, 0.3378, 0.3319



Tritanopia

35.6517, 0.2365, 0.3051

Trichromacy



Original Color

35.8374, 0.2544, 0.3844



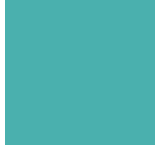
Protanomaly

34.3363, 0.3001, 0.3692



Deuteranomaly

34.0195, 0.2980, 0.3495



Tritanomaly

35.5625, 0.2427, 0.3321

Monochromacy



Original Color

35.8374, 0.2544, 0.3844



Achromatopsia

26.6356, 0.3127, 0.3290



Achromatomaly

28.9670, 0.2830, 0.3479

CSS Examples

Text

The CSS property to change the color of the text to Yxy 35.8374, 0.2544, 0.3844 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(63, 180, 148)` looks like.

```
.text, #text, p{  
    color:rgb(63, 180, 148)  
}
```

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(63, 180, 148) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(63, 180, 148) }
```

Border

The CSS property to change the border of an element to Yxy 35.8374, 0.2544, 0.3844 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(63, 180, 148) }
```

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

```
.border{ border-color:rgb(63, 180, 148) }
```

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

Here you see how a box with a 4 pixel `rgb(63, 180, 148)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(63, 180, 148); -webkit-box-  
shadow:4px 4px 4px 4px rgb(63, 180, 148);  
box-shadow:4px 4px 4px 4px rgb(63, 180,  
148) }
```


Background

The CSS property to change the background color of an element to Yxy 35.8374, 0.2544, 0.3844 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(63, 180, 148) }
```

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

```
.background{ background-color: rgb(63, 180,  
148) }
```

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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