

Converting Colors

$Yxy(35.4214, 0.2451, 0.3304)$

Have a look what the booklet for
Yxy(35.4214, 0.2451, 0.3304)
contains.

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Color

Yxy(35.4214, 0.2451, 0.3304)

Conversions

Conversions Part 1

Format	Color
Hex	50AFAE
RGB	80, 175, 174
RGB Percent	31%, 69%, 68%
CMY	0.6865, 0.3137, 0.3175
CMYK	0.54, 0.00, 0.01, 0.31
HSL	179°, 37%, 50%
HSV	179°, 54%, 69%
XYZ	26.2766, 35.4214, 45.5096
YIQ	146.4810, -56.2990, -20.4510

Conversions

Conversions Part 2

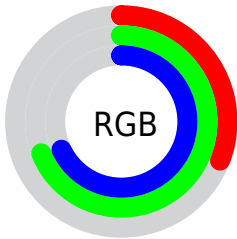
Format	Color
RYB	80, 128, 175
Decimal	5287854
CIELab	66.08, -28.05, -8.03
CIElCh	66, 29.177, 195.967
Yxy	35.4214, 0.2451, 0.3304
Android (android.graphics.Color)	4283477934 (0xFF50AFAE)
YUV	146.4810, 13.5669, -58.3038
Hunter-Lab	59.5159, -25.3441, -3.6758

Details

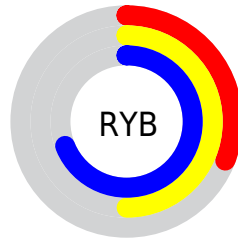
The Yxy color **35.4214, 0.2451, 0.3304** is a dark color, and the websafe version is hex **339999**. A complement of this color would be **15.4372, 0.4681, 0.3281**, and the grayscale version is **28.9086, 0.3127, 0.3290**.

A 20% lighter version of the original color is **68.2122, 0.2584, 0.3313**, and **15.3242, 0.2247, 0.3287** is the 20% darker color. If you saturate the color by 10%, you get **34.7512, 0.2376, 0.3307**, and if you desaturate by 10%, it is **36.2927, 0.2544, 0.3301**.

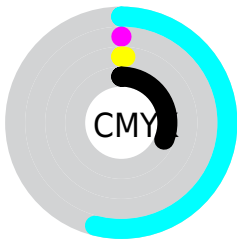
Distribution



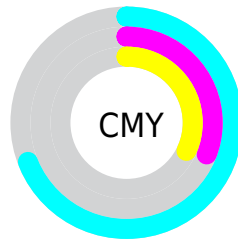
- Red (31%)
- Green (69%)
- Blue (68%)



- Red (31%)
- Yellow (50%)
- Blue (69%)



- Cyan (54%)
- Magenta (0%)
- Yellow (1%)
- Black (31%)




- Cyan (69%)
- Magenta (31%)
- Yellow (32%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 35.4214, 0.2451, 0.3304 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 35.4214, 0.2451, 0.3304 by changing the saturation by 10% instead.

 35.4214, 0.2451,
0.3304


 35.4214, 0.2451,
0.3304


326.4245, 0.2798,
0.3304


 23.9877, 0.2362,
0.3301


 68.1381, 0.2579,
0.3306

 15.3245, 0.2247,
0.3296


 90.1898, 0.2626,
0.3306

 9.0474, 0.2092,
0.3285


 116.5496, 0.2666,
0.3306

 4.7721, 0.1873,
0.3262

 147.6020, 0.2700,
0.3306

 2.1142, 0.1545,
0.3209

183.7313, 0.2730,
0.3306

 0.6726, 0.0000,
0.3355

225.3218, 0.2755,

 0.0000, 0.0000,

0.3305

0.0000

272.7581, 0.2778,
0.3305

■ 35.4214, 0.2451,
0.3304

■ 35.4214, 0.2451,
0.3304

■ 34.7512, 0.2376,
0.3307

■ 36.2927, 0.2544,
0.3301

■ 34.2622, 0.2321,
0.3310

■ 37.3750, 0.2654,
0.3298

■ 33.9377, 0.2283,
0.3313

■ 38.6825, 0.2778,
0.3296

■ 33.7557, 0.2263,
0.3317

■ 40.2271, 0.2915,
0.3293

■ 33.6876, 0.2255,
0.3318

■ 42.0195, 0.3062,
0.3291

■ 44.0702, 0.3215,
0.3289

■ 46.3887, 0.3371,
0.3287

■ 48.9844, 0.3529,
0.3286

■ 51.8659, 0.3686,
0.3284

Harmonies

Analogous

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



35.4214, 0.2768, 0.3740



35.4214, 0.2451, 0.3304



35.4214, 0.2311, 0.2903

Triad

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



35.4214, 0.2451, 0.3304



35.4214, 0.3007, 0.2662



35.4214, 0.3931, 0.3897

Complementary

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



35.4214, 0.2451, 0.3304



15.4372, 0.4681, 0.3281

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.



35.4214, 0.4018, 0.3576



35.4214, 0.2451, 0.3304



35.4214, 0.3463, 0.2892

Square

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



35.4214, 0.2451, 0.3304



35.4214, 0.2614, 0.2571



35.4214, 0.3844, 0.3217



35.4214, 0.3624, 0.4084

Rectangle

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



35.4214, 0.2451, 0.3304



35.4214, 0.2328, 0.2714



35.4214, 0.3844, 0.3217



35.4214, 0.3988, 0.3800

Sweetspot

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



35.4228, 0.2451, 0.3304



71.4630, 0.2888, 0.3294



33.0138, 0.3058, 0.4993



15.7558, 0.2860, 0.3294



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.



35.4228, 0.2451, 0.3304



62.0514, 0.2365, 0.3308



20.5151, 0.2279, 0.2473



9.0707, 0.2988, 0.3292



24.1233, 0.2255, 0.3318



0.6715, 0.2252, 0.3308

Inverse Universe

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



15.4372, 0.4681, 0.3281



22.5707, 0.5230, 0.3282



24.5873, 0.4280, 0.3960



8.0166, 0.3285, 0.3288



6.5302, 0.6387, 0.3292



0.1821, 0.6325, 0.3258

Previews

White Background



This preview shows how the Yxy color 35.4214, 0.2451, 0.3304 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 35.4214, 0.2451, 0.3304 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

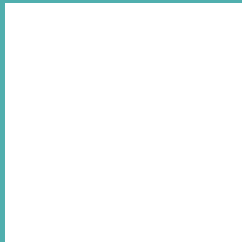
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 35.4214, 0.2451, 0.3304

Background



This preview shows how black text looks on a background with the Yxy color 35.4214, 0.2451, 0.3304.

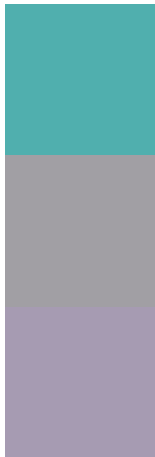


This preview shows how white text looks on a background with the Yxy color 35.4214, 0.2451, 0.3304.

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

35.4214, 0.2451, 0.3304

Protanopia

35.0537, 0.3102, 0.3217

Deuteranopia

34.7640, 0.3027, 0.2966



Tritanopia

35.4063, 0.2396, 0.3067

Trichromacy



Original Color

35.4214, 0.2451, 0.3304

Protanomaly

34.6430, 0.2812, 0.3243

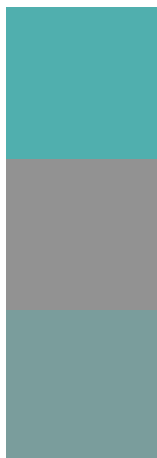
Deuteranomaly

34.1659, 0.2765, 0.3062

Tritanomaly

35.4885, 0.2417, 0.3160

Monochromacy



Original Color

35.4214, 0.2451, 0.3304

Achromatopsia

28.7441, 0.3127, 0.3290

Achromatomaly

30.6518, 0.2813, 0.3306

CSS Examples

Text

The CSS property to change the color of the text to Yxy 35.4214, 0.2451, 0.3304 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(80, 175, 174)` looks like.

```
.text, #text, p{  
    color:rgb(80, 175, 174)  
}
```

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(80, 175, 174) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(80, 175, 174) }
```

Border

The CSS property to change the border of an element to Yxy 35.4214, 0.2451, 0.3304 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(80, 175, 174) }
```

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

```
.border{ border-color:rgb(80, 175, 174) }
```

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

Here you see how a box with a 4 pixel `rgb(80, 175, 174)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(80, 175, 174); -webkit-box-  
shadow:4px 4px 4px 4px rgb(80, 175, 174);  
box-shadow:4px 4px 4px 4px rgb(80, 175,  
174) }
```


Background

The CSS property to change the background color of an element to Yxy 35.4214, 0.2451, 0.3304 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(80, 175, 174) }
```

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

```
.background{ background-color: rgb(80, 175,  
174) }
```

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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