

Converting Colors

$Yxy(34.2204, 0.2394, 0.3260)$

Have a look what the booklet for
Yxy(34.2204, 0.2394, 0.3260)
contains.

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Color

Yxy(34.2844, 0.2393, 0.3255)

Conversions

Conversions Part 1

Format	Color
Hex	46ADAF
RGB	70, 173, 175
RGB Percent	27%, 68%, 69%
CMY	0.7255, 0.3215, 0.3138
CMYK	0.60, 0.01, 0.00, 0.31
HSL	181°, 43%, 48%
HSV	181°, 60%, 69%
XYZ	25.2051, 34.2844, 45.8389
YIQ	142.4310, -62.0300, -21.2140

Conversions

Conversions Part 2

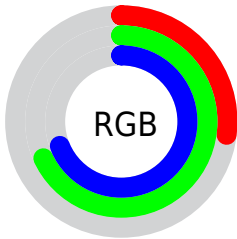
Format	Color
RYB	70, 122, 175
Decimal	4631983
CIELab	65.19, -28.71, -9.92
CIELCh	65, 30.378, 199.053
Yxy	34.2844, 0.2393, 0.3255
Android (android.graphics.Color)	4282822063 (0xFF46ADAF)
YUV	142.4310, 16.0565, -63.5220
Hunter-Lab	58.5529, -25.6292, -5.4290

Details

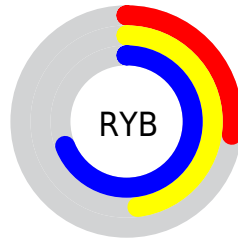
The Yxy color **34.2844, 0.2393, 0.3255** is a dark color, and the websafe version is hex **339999**. A complement of this color would be **14.1849, 0.4941, 0.3322**, and the grayscale version is **27.1824, 0.3127, 0.3290**.

A 20% lighter version of the original color is **66.4189, 0.2533, 0.3276**, and **14.8630, 0.2227, 0.3216** is the 20% darker color. If you saturate the color by 10%, you get **33.6008, 0.2326, 0.3249**, and if you desaturate by 10%, it is **35.1605, 0.2478, 0.3261**.

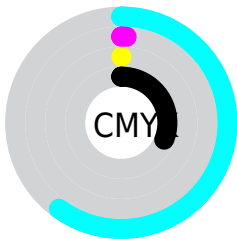
Distribution



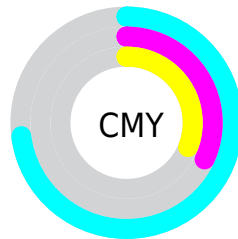
- Red (27%)
- Green (68%)
- Blue (69%)



- Red (27%)
- Yellow (48%)
- Blue (69%)



- Cyan (60%)
- Magenta (1%)
- Yellow (0%)
- Black (31%)





- Cyan (73%)
- Magenta (32%)
- Yellow (31%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 34.2844, 0.2393, 0.3255 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 34.2844, 0.2393, 0.3255 by changing the saturation by 10% instead.


 34.2844, 0.2393,
0.3255


 34.2844, 0.2393,
0.3255


321.3983, 0.2770,
0.3283


 23.1122, 0.2296,
0.3244


 66.3757, 0.2532,
0.3268


 14.6764, 0.2171,
0.3228


 88.0635, 0.2584,
0.3272


 8.5926, 0.2002,
0.3201


 114.0254, 0.2627,
0.3275

 4.4764, 0.1765,
0.3153

 144.6456, 0.2664,
0.3277

 1.9435, 0.1413,
0.3057

 180.3086, 0.2696,
0.3279

 0.5743, 0.0000,
0.2963

221.3988, 0.2724,

 0.0000, 0.0000,

0.3281

0.0000

268.3006, 0.2748,
0.3282

■ 34.2844, 0.2393,
0.3255

■ 34.2844, 0.2393,
0.3255

■ 33.6008, 0.2326,
0.3249

■ 35.1605, 0.2478,
0.3261

■ 33.0887, 0.2278,
0.3242

■ 36.2402, 0.2582,
0.3268

■ 32.7295, 0.2248,
0.3236

■ 37.5382, 0.2701,
0.3274

■ 32.4803, 0.2231,
0.3230

■ 39.0668, 0.2833,
0.3279

■ 40.8374, 0.2976,
0.3285

■ 42.8607, 0.3127,
0.3290

■ 45.1467, 0.3283,
0.3295

■ 47.7049, 0.3441,
0.3299

■ 50.5442, 0.3600,
0.3303

Harmonies

Analogous

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



34.2844, 0.2707, 0.3721



34.2844, 0.2393, 0.3255



34.2844, 0.2269, 0.2846

Triad

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



34.2844, 0.2393, 0.3255



34.2844, 0.3048, 0.2651



34.2844, 0.3947, 0.3954

Complementary

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



34.2844, 0.2393, 0.3255



14.1849, 0.4941, 0.3322

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.



34.2844, 0.4068, 0.3625



34.2844, 0.2393, 0.3255



34.2844, 0.3527, 0.2904

Square

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



34.2844, 0.2393, 0.3255



34.2844, 0.2624, 0.2539



34.2844, 0.3913, 0.3249



34.2844, 0.3605, 0.4134

Rectangle

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



34.2844, 0.2393, 0.3255



34.2844, 0.2300, 0.2660



34.2844, 0.3913, 0.3249



34.2844, 0.4017, 0.3856

Sweetspot

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



34.2857, 0.2393, 0.3255



70.4852, 0.2856, 0.3280



32.4207, 0.3029, 0.5165



15.4775, 0.2817, 0.3279



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.



34.2857, 0.2393, 0.3255



59.8586, 0.2309, 0.3247



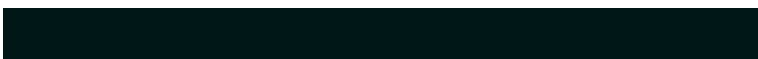
18.0071, 0.2182, 0.2303



9.0458, 0.2987, 0.3285



23.2750, 0.2231, 0.3231



0.6554, 0.2236, 0.3249

Inverse Universe

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



16.5085, 0.3217, 0.1938



25.3132, 0.3234, 0.1745



24.0291, 0.4402, 0.4065



8.1454, 0.3140, 0.3071



8.6527, 0.3256, 0.1567



0.2415, 0.3241, 0.1559

Previews

White Background



This preview shows how the Yxy color 34.2844, 0.2393, 0.3255 looks on a white background.

Color Contrast Check

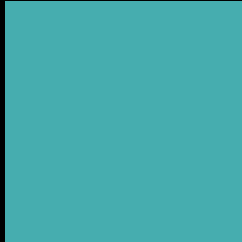
Large Text (above 18pt) WCAG AA × Fail

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 34.2844, 0.2393, 0.3255 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

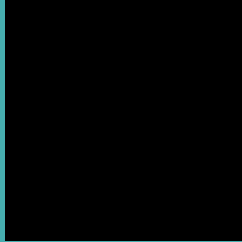
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

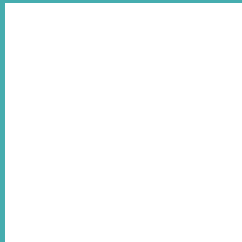
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 34.2844, 0.2393, 0.3255

Background



This preview shows how black text looks on a background with the Yxy color 34.2844, 0.2393, 0.3255.

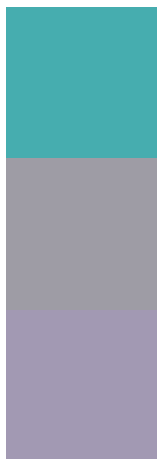


This preview shows how white text looks on a background with the Yxy color 34.2844, 0.2393, 0.3255.

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

34.2844, 0.2393, 0.3255

Protanopia

33.7626, 0.3066, 0.3157

Deuteranopia

33.7185, 0.2981, 0.2920



Tritanopia

34.1245, 0.2353, 0.3062

Trichromacy



Original Color

34.2844, 0.2393, 0.3255

Protanomaly

33.1409, 0.2752, 0.3179

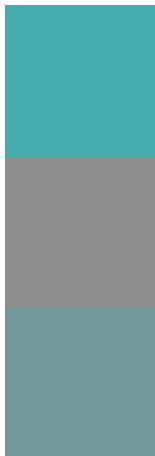
Deuteranomaly

33.0231, 0.2706, 0.3013

Tritanomaly

34.2577, 0.2369, 0.3141

Monochromacy



Original Color

34.2844, 0.2393, 0.3255

Achromatopsia

27.0498, 0.3127, 0.3290

Achromatomaly

28.8286, 0.2772, 0.3272

CSS Examples

Text

The CSS property to change the color of the text to Yxy 34.2844, 0.2393, 0.3255 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(70, 173, 175)` looks like.

```
.text, #text, p{  
  color:rgb(70, 173, 175)  
}
```

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(70, 173, 175) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(70, 173, 175) }
```

Border

The CSS property to change the border of an element to Yxy 34.2844, 0.2393, 0.3255 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(70, 173, 175) }
```

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

```
.border{ border-color:rgb(70, 173, 175) }
```

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

Here you see how a box with a 4 pixel `rgb(70, 173, 175)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(70, 173, 175); -webkit-box-  
shadow:4px 4px 4px 4px rgb(70, 173, 175);  
box-shadow:4px 4px 4px 4px rgb(70, 173,  
175) }
```


Background

The CSS property to change the background color of an element to Yxy 34.2844, 0.2393, 0.3255 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(70, 173, 175) }
```

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

```
.background{ background-color: rgb(70, 173,  
175) }
```

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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