

Converting Colors

$Yxy(34.6961, 0.2430, 0.3288)$

Have a look what the booklet for
Yxy(34.6961, 0.2430, 0.3288)
contains.

Yxy(34.8646, 0.2429, 0.3288)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(34.8646, 0.2429, 0.3288)

Conversions

Conversions Part 1

Format	Color
Hex	4CAEAE
RGB	76, 174, 174
RGB Percent	30%, 68%, 68%
CMY	0.7020, 0.3176, 0.3177
CMYK	0.56, 0.00, 0.00, 0.32
HSL	180°, 39%, 49%
HSV	180°, 56%, 68%
XYZ	25.7561, 34.8646, 45.4152
YIQ	144.6980, -58.4080, -20.7760

Conversions

Conversions Part 2

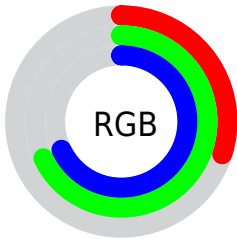
Format	Color
RYB	76, 125, 174
Decimal	5025454
CIELab	65.64, -28.35, -8.67
CIElCh	66, 29.648, 196.999
Yxy	34.8646, 0.2429, 0.3288
Android (android.graphics.Color)	4283215534 (0xFF4CAEAE)
YUV	144.6980, 14.4459, -60.2481
Hunter-Lab	59.0463, -25.4688, -4.2703

Details

The Yxy color **34.8646, 0.2429, 0.3288** is a dark color, and the websafe version is hex **339999**. A complement of this color would be **14.6900, 0.4788, 0.3295**, and the grayscale version is **28.1452, 0.3127, 0.3290**.

A 20% lighter version of the original color is **67.3191, 0.2563, 0.3301**, and **15.0799, 0.2240, 0.3264** is the 20% darker color. If you saturate the color by 10%, you get **34.2470, 0.2358, 0.3288**, and if you desaturate by 10%, it is **35.6776, 0.2519, 0.3288**.

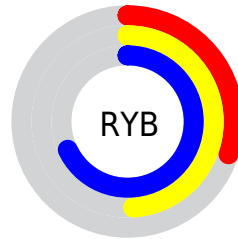
Distribution



Red (30%)

Green (68%)

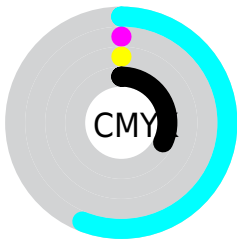
Blue (68%)



Red (30%)

Yellow (49%)

Blue (68%)

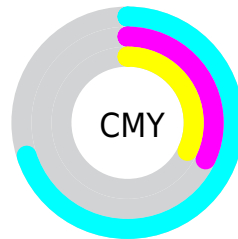


Cyan (56%)

Magenta (0%)

Yellow (0%)

Black (32%)



Cyan (70%)

Magenta (32%)

Yellow (32%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 34.8646, 0.2429, 0.3288 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 34.8646, 0.2429, 0.3288 by changing the saturation by 10% instead.


 34.8646, 0.2429,
0.3288


 34.8646, 0.2429,
0.3288


323.9703, 0.2787,
0.3297

 23.5586, 0.2337,
0.3282


 67.2760, 0.2561,
0.3294


 15.0065, 0.2218,
0.3273


 89.1501, 0.2610,
0.3295

 8.8240, 0.2057,
0.3257


 115.3157, 0.2652,
0.3296

 4.6265, 0.1830,
0.3226

 146.1573, 0.2687,
0.3297

 2.0298, 0.1492,
0.3158

 182.0591, 0.2717,
0.3297

 0.6247, 0.0000,
0.3207

223.4056, 0.2744,

 0.0000, 0.0000,

0.3297

0.0000

270.5812, 0.2767,
0.3297

■ 34.8646, 0.2429,
0.3288

■ 34.8646, 0.2429,
0.3288

■ 34.2470, 0.2358,
0.3288

■ 35.6776, 0.2519,
0.3288

■ 33.8049, 0.2305,
0.3288

■ 36.6961, 0.2626,
0.3289

■ 33.5210, 0.2270,
0.3288

■ 37.9344, 0.2749,
0.3289

■ 33.3706, 0.2252,
0.3288

■ 39.4041, 0.2885,
0.3289

■ 33.3292, 0.2247,
0.3288

■ 41.1164, 0.3031,
0.3290

■ 43.0814, 0.3184,
0.3290

■ 45.3087, 0.3342,
0.3291

■ 47.8076, 0.3501,
0.3291

■ 50.5868, 0.3660,
0.3292

Harmonies

Analogous

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



34.8646, 0.2747, 0.3736



34.8646, 0.2429, 0.3288



34.8646, 0.2294, 0.2882

Triad

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



34.8646, 0.2429, 0.3288



34.8646, 0.3020, 0.2655



34.8646, 0.3940, 0.3918

Complementary

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



34.8646, 0.2429, 0.3288



14.6900, 0.4788, 0.3295

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.



34.8646, 0.4038, 0.3593



34.8646, 0.2429, 0.3288



34.8646, 0.3485, 0.2894

Square

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



34.8646, 0.2429, 0.3288



34.8646, 0.2615, 0.2557



34.8646, 0.3870, 0.3227



34.8646, 0.3620, 0.4104

Rectangle

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



34.8646, 0.2429, 0.3288



34.8646, 0.2316, 0.2694



34.8646, 0.3870, 0.3227



34.8646, 0.4001, 0.3820

Sweetspot

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



34.8659, 0.2429, 0.3288



71.1922, 0.2871, 0.3289



32.3996, 0.3055, 0.5061



15.7016, 0.2844, 0.3289



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.



34.8659, 0.2429, 0.3288



61.8555, 0.2340, 0.3288



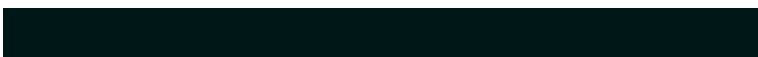
19.6775, 0.2250, 0.2438



9.0721, 0.2987, 0.3290



24.1729, 0.2247, 0.3288



0.6725, 0.2247, 0.3288

Inverse Universe

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



14.6900, 0.4788, 0.3295



21.5148, 0.5395, 0.3297



23.7785, 0.4334, 0.3981



8.0154, 0.3286, 0.3290



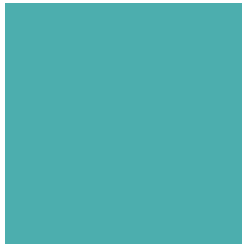
6.5268, 0.6401, 0.3300



0.1816, 0.6400, 0.3300

Previews

White Background



This preview shows how the Yxy color 34.8646, 0.2429, 0.3288 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 34.8646, 0.2429, 0.3288 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

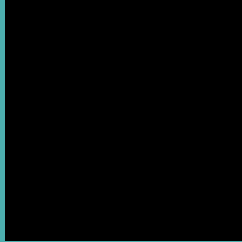
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

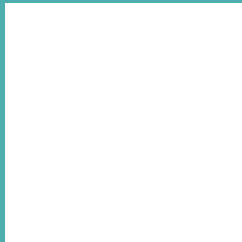
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 34.8646, 0.2429, 0.3288

Background



This preview shows how black text looks on a background with the Yxy color 34.8646, 0.2429, 0.3288.

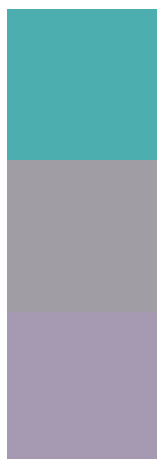


This preview shows how white text looks on a background with the Yxy color 34.8646, 0.2429, 0.3288.

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

34.8646, 0.2429, 0.3288

Protanopia

34.6076, 0.3093, 0.3202

Deuteranopia

34.3249, 0.3018, 0.2951



Tritanopia

34.7995, 0.2378, 0.3065

Trichromacy



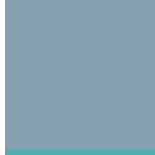
Original Color

34.8646, 0.2429, 0.3288



Protanomaly

34.0452, 0.2786, 0.3227



Deuteranomaly

33.6506, 0.2747, 0.3045



Tritanomaly

34.9268, 0.2395, 0.3143

Monochromacy



Original Color

34.8646, 0.2429, 0.3288



Achromatopsia

28.3149, 0.3127, 0.3290



Achromatomaly

30.1703, 0.2795, 0.3289

CSS Examples

Text

The CSS property to change the color of the text to Yxy 34.8646, 0.2429, 0.3288 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(76, 174, 174)` looks like.

```
.text, #text, p{  
    color:rgb(76, 174, 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(76, 174, 174) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(76, 174, 174) }
```

Border

The CSS property to change the border of an element to Yxy 34.8646, 0.2429, 0.3288 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(76, 174, 174) }
```

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

```
.border{ border-color:rgb(76, 174, 174) }
```

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

Here you see how a box with a 4 pixel rgb(76, 174, 174) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(76, 174, 174); -webkit-box-  
shadow:4px 4px 4px 4px rgb(76, 174, 174);  
box-shadow:4px 4px 4px 4px rgb(76, 174,  
174) }
```


Background

The CSS property to change the background color of an element to Yxy 34.8646, 0.2429, 0.3288 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(76, 174, 174) }
```

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

```
.background{ background-color: rgb(76, 174,  
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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor