

Converting Colors

$Yxy(34.5868, 0.2640, 0.3541)$

Have a look what the booklet for
Yxy(34.5868, 0.2640, 0.3541)
contains.

Yxy(34.4262, 0.2638, 0.3539)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(34.4262, 0.2638, 0.3539)

Conversions

Conversions Part 1

Format	Color
Hex	60AC9D
RGB	96, 172, 157
RGB Percent	38%, 67%, 62%
CMY	0.6235, 0.3255, 0.3843
CMYK	0.44, 0.00, 0.09, 0.33
HSL	168°, 31%, 53%
HSV	168°, 44%, 67%
XYZ	25.6616, 34.4262, 37.1889
YIQ	147.5660, -40.4810, -20.7770

Conversions

Conversions Part 2

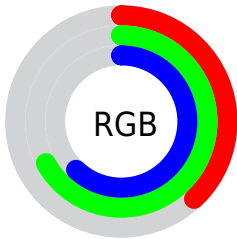
Format	Color
RYB	96, 138, 172
Decimal	6335645
CIELab	65.30, -27.27, 0.37
CIELCh	65, 27.271, 179.224
Yxy	34.4262, 0.2638, 0.3539
Android (android.graphics.Color)	4284525725 (0xFF60AC9D)
YUV	147.5660, 4.6510, -45.2234
Hunter-Lab	58.6738, -24.6105, 3.4923

Details

The Yxy color **34.4262, 0.2638, 0.3539** is a dark color, and the websafe version is hex **339999**. A complement of this color would be **18.2843, 0.4034, 0.3065**, and the grayscale version is **29.4175, 0.3127, 0.3290**.

A 20% lighter version of the original color is **66.7693, 0.2739, 0.3500**, and **14.7057, 0.2481, 0.3608** is the 20% darker color. If you saturate the color by 10%, you get **33.4801, 0.2559, 0.3606**, and if you desaturate by 10%, it is **35.5824, 0.2732, 0.3475**.

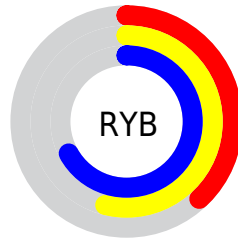
Distribution



Red (38%)

Green (67%)

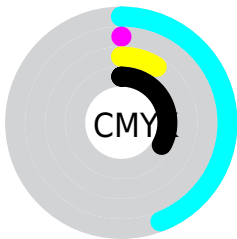
Blue (62%)



Red (38%)

Yellow (54%)

Blue (67%)

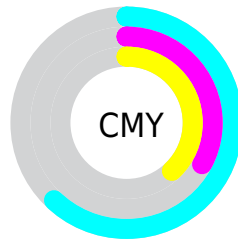


Cyan (44%)

Magenta (0%)

Yellow (9%)

Black (33%)



Cyan (62%)

Magenta (33%)

Yellow (38%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 34.4262, 0.2638, 0.3539 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 34.4262, 0.2638, 0.3539 by changing the saturation by 10% instead.


 34.4262, 0.2638,
0.3539


 34.4262, 0.2638,
0.3539


322.0283, 0.2894,
0.3409

 23.2212, 0.2570,
0.3574


 66.5959, 0.2734,
0.3490

 14.7569, 0.2481,
0.3619


 88.3294, 0.2769,
0.3472

 8.6490, 0.2358,
0.3682


 114.3412, 0.2798,
0.3457

 4.5129, 0.2179,
0.3775

 145.0157, 0.2823,
0.3445

 1.9644, 0.1894,
0.3922

180.7372, 0.2845,
0.3434

 0.5867, 0.0000,
0.4890

221.8902, 0.2863,

 0.0000, 0.0000,

0.3424

0.0000

268.8591, 0.2880,
0.3416

■ 34.4262, 0.2638,
0.3539

■ 34.4262, 0.2638,
0.3539

■ 33.4801, 0.2559,
0.3606

■ 35.5824, 0.2732,
0.3475

■ 32.7264, 0.2497,
0.3675

■ 36.9568, 0.2838,
0.3416

■ 32.1515, 0.2454,
0.3746


■ 38.5621, 0.2953,
0.3360


■ 31.7380, 0.2429,
0.3817

■ 40.4089, 0.3075,
0.3310

■ 31.4651, 0.2423,
0.3888


■ 42.5069, 0.3201,
0.3264

 31.3429, 0.2425,
0.3929

 44.8655, 0.3328,
0.3223

 47.4935, 0.3456,
0.3186

 50.3994, 0.3582,
0.3154

 53.5911, 0.3704,
0.3126

Harmonies

Analogous

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



34.4262, 0.3008, 0.3895



34.4262, 0.2638, 0.3539



34.4262, 0.2406, 0.3126

Triad

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



34.4262, 0.2638, 0.3539



34.4262, 0.2793, 0.2627



34.4262, 0.3961, 0.3707

Complementary

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



34.4262, 0.2638, 0.3539



18.2843, 0.4034, 0.3065

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.



34.4262, 0.3905, 0.3373



34.4262, 0.2638, 0.3539



34.4262, 0.3205, 0.2777

Square

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



34.4262, 0.2638, 0.3539



34.4262, 0.2491, 0.2629



34.4262, 0.3620, 0.3042



34.4262, 0.3780, 0.3964

Rectangle

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



34.4262, 0.2638, 0.3539



34.4262, 0.2351, 0.2892



34.4262, 0.3620, 0.3042



34.4262, 0.3970, 0.3600

Sweetspot

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



34.4276, 0.2638, 0.3539



70.2546, 0.2964, 0.3355



33.7436, 0.3188, 0.4589



15.1221, 0.2939, 0.3367



86.8899, 0.3127, 0.3290



16.2647, 0.3127, 0.3290

Same Dimension

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



34.4276, 0.2638, 0.3539



60.7714, 0.2561, 0.3604



27.0244, 0.2476, 0.2902



9.0446, 0.3012, 0.3335



23.3308, 0.2423, 0.3921



0.6559, 0.2363, 0.3708

Inverse Universe

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



18.2843, 0.4034, 0.3065



27.6937, 0.4358, 0.3023



22.7617, 0.4107, 0.3638



8.0402, 0.3256, 0.3245



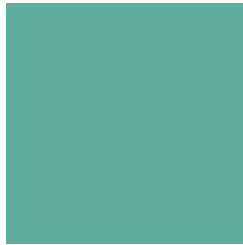
6.6190, 0.6047, 0.3105



0.1915, 0.5268, 0.2676

Previews

White Background



This preview shows how the Yxy color 34.4262, 0.2638, 0.3539 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 34.4262, 0.2638, 0.3539 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

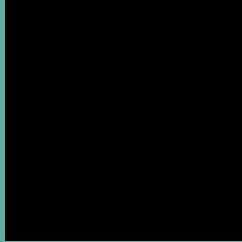
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 34.4262, 0.2638, 0.3539

Background



This preview shows how black text looks on a background with the Yxy color 34.4262, 0.2638, 0.3539.

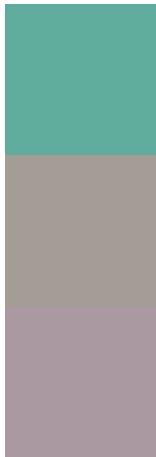


This preview shows how white text looks on a background with the Yxy color 34.4262, 0.2638, 0.3539.

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

34.4262, 0.2638, 0.3539

Protanopia

34.0704, 0.3260, 0.3409

Deuteranopia

34.0136, 0.3233, 0.3176



Tritanopia

34.2662, 0.2510, 0.3068

Trichromacy



Original Color

34.4262, 0.2638, 0.3539

Protanomaly

33.5966, 0.2999, 0.3446

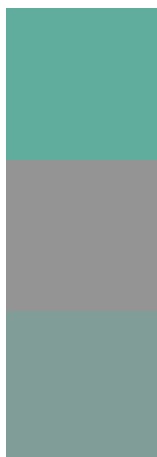
Deuteranomaly

33.6090, 0.2977, 0.3290

Tritanomaly

34.1024, 0.2551, 0.3224

Monochromacy



Original Color

34.4262, 0.2638, 0.3539

Achromatopsia

29.6138, 0.3127, 0.3290

Achromatomaly

31.0154, 0.2915, 0.3387

CSS Examples

Text

The CSS property to change the color of the text to Yxy 34.4262, 0.2638, 0.3539 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(96, 172, 157)` looks like.

```
.text, #text, p{  
    color:rgb(96, 172, 157)  
}
```

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(96, 172, 157) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(96, 172, 157) }
```

Border

The CSS property to change the border of an element to Yxy 34.4262, 0.2638, 0.3539 is called "border". The border property can be set on classes, ids or directly on the HTML element.

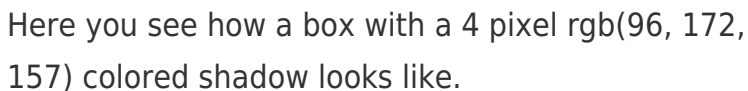
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(96, 172, 157) }
```

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

```
.border{ border-color:rgb(96, 172, 157) }
```

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



Here you see how a box with a 4 pixel `rgb(96, 172, 157)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(96, 172, 157); -webkit-box-shadow:4px 4px 4px 4px rgb(96, 172, 157); box-shadow:4px 4px 4px 4px rgb(96, 172, 157) }
```


Background

The CSS property to change the background color of an element to Yxy 34.4262, 0.2638, 0.3539 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(96, 172, 157) }
```

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

```
.background{ background-color: rgb(96, 172,  
157) }
```

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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