

Converting Colors

$Y_{xy}(34.3584, 0.2651, 0.3573)$

Have a look what the booklet for
Yxy(34.3584, 0.2651, 0.3573)
contains.

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Color

Yxy(34.3584, 0.2651, 0.3573)

Conversions

Conversions Part 1

Format	Color
Hex	60AC9B
RGB	96, 172, 155
RGB Percent	38%, 67%, 61%
CMY	0.6236, 0.3255, 0.3920
CMYK	0.44, 0.00, 0.10, 0.33
HSL	167°, 31%, 53%
HSV	167°, 44%, 67%
XYZ	25.4923, 34.3584, 36.3105
YIQ	147.3380, -39.8390, -21.3990

Conversions

Conversions Part 2

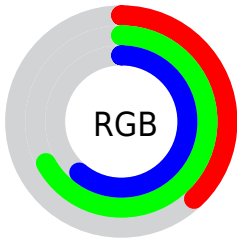
Format	Color
RYB	96, 139, 172
Decimal	6335643
CIELab	65.25, -27.75, 1.39
CIELCh	65, 27.785, 177.139
Yxy	34.3584, 0.2651, 0.3573
Android (android.graphics.Color)	4284525723 (0xFF60AC9B)
YUV	147.3380, 3.7774, -45.0234
Hunter-Lab	58.6160, -24.9477, 4.3033

Details

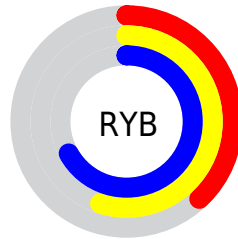
The Yxy color **34.3584, 0.2651, 0.3573** is a dark color, and the websafe version is hex **339999**. A complement of this color would be **18.3233, 0.4004, 0.3035**, and the grayscale version is **29.3199, 0.3127, 0.3290**.

A 20% lighter version of the original color is **66.5743, 0.2745, 0.3525**, and **14.6645, 0.2498, 0.3659** is the 20% darker color. If you saturate the color by 10%, you get **33.3999, 0.2574, 0.3649**, and if you desaturate by 10%, it is **35.5278, 0.2742, 0.3501**.

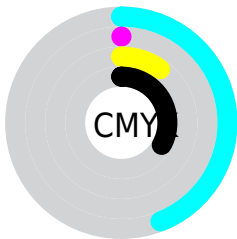
Distribution



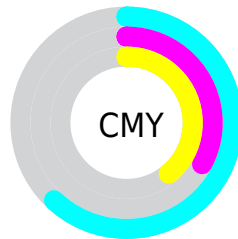
- Red (38%)
- Green (67%)
- Blue (61%)



- Red (38%)
- Yellow (55%)
- Blue (67%)



- Cyan (44%)
- Magenta (0%)
- Yellow (10%)
- Black (33%)



- Cyan (62%)
- Magenta (33%)
- Yellow (39%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 34.3584, 0.2651, 0.3573 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 34.3584, 0.2651, 0.3573 by changing the saturation by 10% instead.


 34.3584, 0.2651,
0.3573


 34.3584, 0.2651,
0.3573


321.7272, 0.2901,
0.3424


 23.1691, 0.2585,
0.3613

 66.4906, 0.2745,
0.3517


 14.7184, 0.2497,
0.3666


 88.2023, 0.2779,
0.3496

 8.6220, 0.2376,
0.3740


 114.1902, 0.2808,
0.3479

 4.4955, 0.2199,
0.3850

 144.8388, 0.2832,
0.3465

 1.9544, 0.1916,
0.4028

180.5324, 0.2853,
0.3452

 0.5808, 0.0000,
0.5203

221.6554, 0.2871,

 0.0000, 0.0000,

0.3441

0.0000

268.5922, 0.2887,
0.3432

■ 34.3584, 0.2651,
0.3573

■ 34.3584, 0.2651,
0.3573

■ 33.3999, 0.2574,
0.3649

■ 35.5278, 0.2742,
0.3501

■ 32.6348, 0.2514,
0.3728

■ 36.9163, 0.2845,
0.3433

■ 32.0492, 0.2473,
0.3809


■ 38.5366, 0.2958,
0.3370

■ 31.6259, 0.2451,
0.3891

■ 40.3993, 0.3076,
0.3312


■ 31.3439, 0.2447,
0.3972


■ 42.5141, 0.3198,
0.3261

 31.2170, 0.2450,
0.4019

 44.8904, 0.3322,
0.3214

 47.5371, 0.3445,
0.3173

 50.4626, 0.3567,
0.3137

 53.6749, 0.3685,
0.3105

Harmonies

Analogous

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



34.3584, 0.3035, 0.3927



34.3584, 0.2651, 0.3573



34.3584, 0.2403, 0.3150

Triad

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



34.3584, 0.2651, 0.3573



34.3584, 0.2761, 0.2611



34.3584, 0.3982, 0.3692

Complementary

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



34.3584, 0.2651, 0.3573



18.3233, 0.4004, 0.3035

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.



34.3584, 0.3907, 0.3349



34.3584, 0.2651, 0.3573



34.3584, 0.3175, 0.2753

Square

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



34.3584, 0.2651, 0.3573



34.3584, 0.2464, 0.2623



34.3584, 0.3603, 0.3015



34.3584, 0.3812, 0.3963

Rectangle

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



34.3584, 0.2651, 0.3573



34.3584, 0.2339, 0.2906



34.3584, 0.3603, 0.3015



34.3584, 0.3985, 0.3581

Sweetspot

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



34.3598, 0.2651, 0.3573



70.2151, 0.2969, 0.3364



33.9092, 0.3210, 0.4581



15.1121, 0.2944, 0.3377



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.



34.3598, 0.2651, 0.3573



60.6283, 0.2576, 0.3647



27.8330, 0.2483, 0.2947



9.0410, 0.3015, 0.3341



23.2376, 0.2447, 0.4011



0.6539, 0.2380, 0.3766

Inverse Universe

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



18.3233, 0.4004, 0.3035



27.7766, 0.4315, 0.2987



22.1634, 0.4126, 0.3600



8.0436, 0.3253, 0.3240



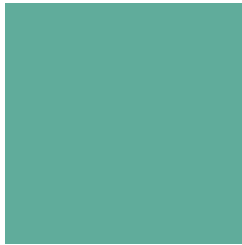
6.6400, 0.5974, 0.3065



0.1928, 0.5157, 0.2615

Previews

White Background



This preview shows how the Yxy color 34.3584, 0.2651, 0.3573 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 34.3584, 0.2651, 0.3573 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

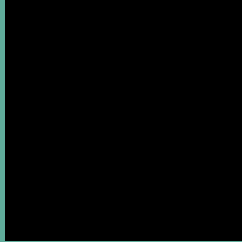
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 34.3584, 0.2651, 0.3573

Background



This preview shows how black text looks on a background with the Yxy color 34.3584, 0.2651, 0.3573.



This preview shows how white text looks on a background with the Yxy color 34.3584, 0.2651, 0.3573.

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

34.3584, 0.2651, 0.3573

Protanopia

34.0071, 0.3279, 0.3439

Deuteranopia

34.0563, 0.3262, 0.3205



Tritanopia

34.2662, 0.2510, 0.3068

Trichromacy



Original Color

34.3584, 0.2651, 0.3573

Protanomaly

33.5316, 0.3016, 0.3478

Deuteranomaly

33.5395, 0.2994, 0.3320

Tritanomaly

34.0638, 0.2558, 0.3240

Monochromacy



Original Color

34.3584, 0.2651, 0.3573

Achromatopsia

29.1771, 0.3127, 0.3290

Achromatomaly

30.5681, 0.2914, 0.3388

CSS Examples

Text

The CSS property to change the color of the text to Yxy 34.3584, 0.2651, 0.3573 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, 155)` looks like.

```
.text, #text, p{  
    color:rgb(96, 172, 155)  
}
```

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, 155) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(96, 172, 155) }
```

Border

The CSS property to change the border of an element to Yxy 34.3584, 0.2651, 0.3573 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, 155) }
```

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

```
.border{ border-color:rgb(96, 172, 155) }
```

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, 155)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(96, 172, 155); -webkit-box-  
shadow:4px 4px 4px 4px rgb(96, 172, 155);  
box-shadow:4px 4px 4px 4px rgb(96, 172,  
155) }
```


Background

The CSS property to change the background color of an element to Yxy 34.3584, 0.2651, 0.3573 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, 155) }
```

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

```
.background{ background-color: rgb(96, 172,  
155) }
```

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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