

Converting Colors

$Yxy(33.0605, 0.2576, 0.3539)$

Have a look what the booklet for
Yxy(33.0605, 0.2576, 0.3539)
contains.

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Color

Yxy(33.0473, 0.2579, 0.3546)

Conversions

Conversions Part 1

Format	Color
Hex	55AA9B
RGB	85, 170, 155
RGB Percent	33%, 67%, 61%
CMY	0.6667, 0.3333, 0.3922
CMYK	0.50, 0.00, 0.09, 0.33
HSL	169°, 33%, 50%
HSV	169°, 50%, 67%
XYZ	24.0352, 33.0473, 36.1134
YIQ	142.8750, -45.8450, -22.6850

Conversions

Conversions Part 2

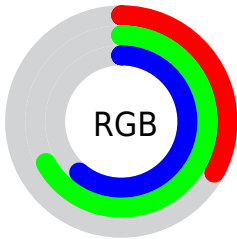
Format	Color
RYB	85, 132, 170
Decimal	5614235
CIELab	64.20, -29.50, -0.17
CIElCh	64, 29.503, 180.324
Yxy	33.0473, 0.2579, 0.3546
Android (android.graphics.Color)	4283804315 (0xFF55AA9B)
YUV	142.8750, 5.9776, -50.7564
Hunter-Lab	57.4868, -25.9709, 2.9945

Details

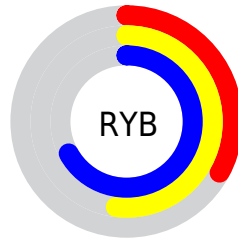
The Yxy color **33.0473, 0.2579, 0.3546** is a dark color, and the websafe version is hex **339999**. A complement of this color would be **15.9627, 0.4250, 0.3066**, and the grayscale version is **27.4043, 0.3127, 0.3290**.

A 20% lighter version of the original color is **64.5716, 0.2687, 0.3504**, and **13.9042, 0.2399, 0.3620** is the 20% darker color. If you saturate the color by 10%, you get **32.2466, 0.2508, 0.3607**, and if you desaturate by 10%, it is **34.0442, 0.2666, 0.3488**.

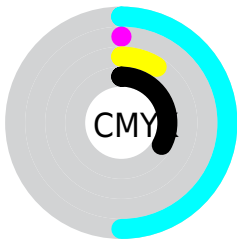
Distribution



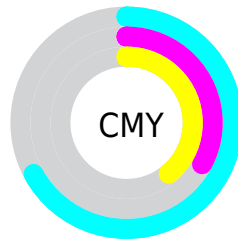
- Red (33%)
- Green (67%)
- Blue (61%)



- Red (33%)
- Yellow (52%)
- Blue (67%)



- Cyan (50%)
- Magenta (0%)
- Yellow (9%)
- Black (33%)




- Cyan (67%)
- Magenta (33%)
- Yellow (39%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 33.0473, 0.2579, 0.3546 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 33.0473, 0.2579, 0.3546 by changing the saturation by 10% instead.


 33.0473, 0.2579,
0.3546


 33.0473, 0.2579,
0.3546


315.8628, 0.2867,
0.3412

 22.1627, 0.2502,
0.3582


 64.4494, 0.2687,
0.3496

 13.9765, 0.2401,
0.3629


 85.7356, 0.2727,
0.3477

 8.1043, 0.2262,
0.3694


 111.2578, 0.2760,
0.3462

 4.1618, 0.2057,
0.3788

 141.4005, 0.2788,
0.3449

 1.7645, 0.1728,
0.3940

176.5479, 0.2812,
0.3438

 0.4649, 0.0000,
0.4730

217.0845, 0.2833,

 0.0000, 0.0000,

0.3428

0.0000

263.3947, 0.2851,
0.3419

■ 33.0473, 0.2579,
0.3546

■ 33.0473, 0.2579,
0.3546

■ 32.2466, 0.2508,
0.3607

■ 34.0442, 0.2666,
0.3488

■ 31.6244, 0.2455,
0.3669

■ 35.2461, 0.2767,
0.3433

■ 31.1660, 0.2421,
0.3732

■ 36.6656, 0.2880,
0.3381

■ 30.8529, 0.2406,
0.3794

■ 38.3135, 0.3000,
0.3333

■ 30.6441, 0.2405,
0.3857

■ 40.1996, 0.3127,
0.3290

■ 42.3334, 0.3257,
0.3251

■ 44.7236, 0.3388,
0.3216

■ 47.3787, 0.3518,
0.3185

■ 50.3067, 0.3646,
0.3158

Harmonies

Analogous

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



33.0473, 0.2978, 0.3947



33.0473, 0.2579, 0.3546



33.0473, 0.2335, 0.3091

Triad

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



33.0473, 0.2579, 0.3546



33.0473, 0.2775, 0.2573



33.0473, 0.4038, 0.3753

Complementary

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



33.0473, 0.2579, 0.3546



15.9627, 0.4250, 0.3066

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.



33.0473, 0.3988, 0.3390



33.0473, 0.2579, 0.3546



33.0473, 0.3228, 0.2740

Square

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



33.0473, 0.2579, 0.3546



33.0473, 0.2443, 0.2566



33.0473, 0.3682, 0.3030



33.0473, 0.3828, 0.4034

Rectangle

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



33.0473, 0.2579, 0.3546



33.0473, 0.2281, 0.2840



33.0473, 0.3682, 0.3030



33.0473, 0.4052, 0.3636

Sweetspot

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



33.0486, 0.2579, 0.3546



67.8834, 0.2936, 0.3358



32.1499, 0.3177, 0.4787



15.0042, 0.2911, 0.3368



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.



33.0486, 0.2579, 0.3546



58.3661, 0.2501, 0.3613



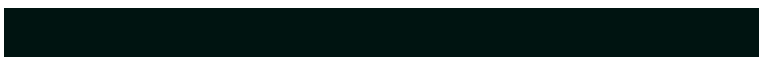
24.5038, 0.2395, 0.2816



8.5090, 0.3010, 0.3330



22.5477, 0.2403, 0.3850



0.5544, 0.2346, 0.3644

Inverse Universe

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



15.9627, 0.4250, 0.3066



23.7832, 0.4663, 0.3033



20.7715, 0.4278, 0.3702



7.5632, 0.3259, 0.3250



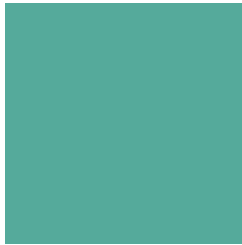
6.3618, 0.6098, 0.3133



0.1609, 0.5317, 0.2702

Previews

White Background



This preview shows how the Yxy color 33.0473, 0.2579, 0.3546 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 33.0473, 0.2579, 0.3546 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

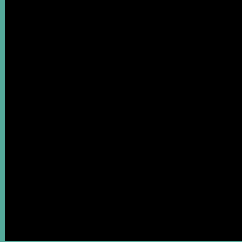
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 33.0473, 0.2579, 0.3546

Background



This preview shows how black text looks on a background with the Yxy color 33.0473, 0.2579, 0.3546.

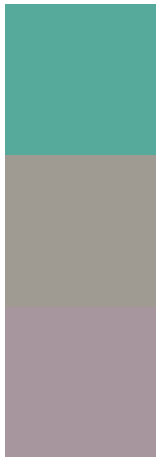


This preview shows how white text looks on a background with the Yxy color 33.0473, 0.2579, 0.3546.

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

33.0473, 0.2579, 0.3546

Protanopia

32.5575, 0.3252, 0.3411

Deuteranopia

32.6407, 0.3225, 0.3160



Tritanopia

32.8949, 0.2457, 0.3062

Trichromacy



Original Color

33.0473, 0.2579, 0.3546

Protanomaly

32.2171, 0.2960, 0.3467

Deuteranomaly

31.9858, 0.2938, 0.3274

Tritanomaly

32.7514, 0.2497, 0.3222

Monochromacy



Original Color

33.0473, 0.2579, 0.3546

Achromatopsia

27.4677, 0.3127, 0.3290

Achromatomaly

29.0266, 0.2883, 0.3390

CSS Examples

Text

The CSS property to change the color of the text to Yxy 33.0473, 0.2579, 0.3546 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(85, 170, 155)` looks like.

```
.text, #text, p{  
    color:rgb(85, 170, 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(85, 170, 155) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(85, 170, 155) }
```

Border

The CSS property to change the border of an element to Yxy 33.0473, 0.2579, 0.3546 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(85, 170, 155) }
```

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

```
.border{ border-color:rgb(85, 170, 155) }
```

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

Here you see how a box with a 4 pixel `rgb(85, 170, 155)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(85, 170, 155); -webkit-box-  
shadow:4px 4px 4px 4px rgb(85, 170, 155);  
box-shadow:4px 4px 4px 4px rgb(85, 170,  
155) }
```


Background

The CSS property to change the background color of an element to Yxy 33.0473, 0.2579, 0.3546 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(85, 170, 155) }
```

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

```
.background{ background-color: rgb(85, 170,  
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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