

Converting Colors

$Yxy(34.3469, 0.2274, 0.3047)$

Have a look what the booklet for
Yxy(34.3469, 0.2274, 0.3047)
contains.

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Color

Yxy(34.3587, 0.2273, 0.3044)

Conversions

Conversions Part 1

Format	Color
Hex	38ADBC
RGB	56, 173, 188
RGB Percent	22%, 68%, 74%
CMY	0.7800, 0.3216, 0.2627
CMYK	0.70, 0.08, 0.00, 0.26
HSL	187°, 54%, 48%
HSV	187°, 70%, 74%
XYZ	25.6562, 34.3587, 52.8587
YIQ	139.7270, -74.5470, -20.1390

Conversions

Conversions Part 2

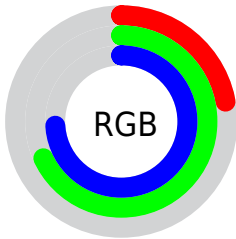
Format	Color
RYB	56, 118, 188
Decimal	3714492
CIELab	65.25, -27.06, -17.11
CIELCh	65, 32.015, 212.298
Yxy	34.3587, 0.2273, 0.3044
Android (android.graphics.Color)	4281904572 (0xFF38ADBC)
YUV	139.7270, 23.7986, -73.4286
Hunter-Lab	58.6163, -24.4497, -12.4348

Details

The Yxy color **34.3587, 0.2273, 0.3044** is a dark color, and the websafe version is hex **339999**. A complement of this color would be **15.5006, 0.5304, 0.3466**, and the grayscale version is **26.0540, 0.3127, 0.3290**.

A 20% lighter version of the original color is **66.6352, 0.2434, 0.3106**, and **15.1822, 0.2152, 0.2946** is the 20% darker color. If you saturate the color by 10%, you get **33.1011, 0.2214, 0.3004**, and if you desaturate by 10%, it is **35.8355, 0.2351, 0.3083**.

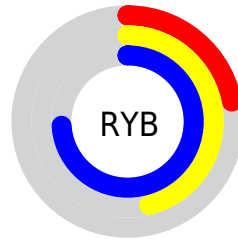
Distribution



Red (22%)

Green (68%)

Blue (74%)



Red (22%)

Yellow (46%)

Blue (74%)

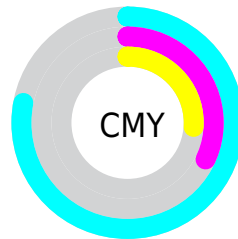


Cyan (70%)

Magenta (8%)

Yellow (0%)

Black (26%)



Cyan (78%)


Magenta (32%)

Yellow (26%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 34.3587, 0.2273, 0.3044 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 34.3587, 0.2273, 0.3044 by changing the saturation by 10% instead.


 34.3587, 0.2273,
0.3044


 34.3587, 0.2273,
0.3044


321.7285, 0.2707,
0.3186


 23.1693, 0.2164,
0.3002


 66.4911, 0.2432,
0.3100


 14.7186, 0.2024,
0.2945


 88.2029, 0.2491,
0.3120


 8.6221, 0.1838,
0.2862


 114.1909, 0.2541,
0.3136

 4.4955, 0.1583,
0.2734

 144.8396, 0.2584,
0.3149

 1.9544, 0.1220,
0.2516

 180.5333, 0.2621,
0.3160

 0.5808, 0.0000,
0.2157

221.6564, 0.2653,

 0.0000, 0.0000,

0.3170

0.0000

268.5934, 0.2682,
0.3178

■ 34.3587, 0.2273,
0.3044

■ 34.3587, 0.2273,
0.3044

■ 33.1011, 0.2214,
0.3004

■ 35.8355, 0.2351,
0.3083

■ 32.0346, 0.2173,
0.2965

■ 37.5480, 0.2448,
0.3122

■ 31.1252, 0.2147,
0.2927

■ 39.5156, 0.2561,
0.3160

■ 41.7545, 0.2688,
0.3196

■ 44.2793, 0.2826,
0.3229

■ 47.1038, 0.2973,
0.3261

■ 50.2407, 0.3125,
0.3290

■ 53.7020, 0.3279,
0.3316

■ 57.4991, 0.3434,
0.3339

Harmonies

Analogous

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



34.3587, 0.2518, 0.3531



34.3587, 0.2273, 0.3044



34.3587, 0.2239, 0.2683

Triad

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



34.3587, 0.2273, 0.3044



34.3587, 0.3267, 0.2721



34.3587, 0.3852, 0.4098

Complementary

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



34.3587, 0.2273, 0.3044



15.5006, 0.5304, 0.3466

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.



34.3587, 0.4095, 0.3803



34.3587, 0.2273, 0.3044



34.3587, 0.3750, 0.3035

Square

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



34.3587, 0.2273, 0.3044



34.3587, 0.2779, 0.2534



34.3587, 0.4063, 0.3419



34.3587, 0.3422, 0.4185

Rectangle

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



34.3587, 0.2273, 0.3044



34.3587, 0.2334, 0.2548



34.3587, 0.4063, 0.3419



34.3587, 0.3960, 0.4016

Sweetspot

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



34.3600, 0.2273, 0.3044



79.6728, 0.2809, 0.3225



37.2459, 0.2969, 0.5342



16.8541, 0.2771, 0.3216



95.5105, 0.3127, 0.3290



19.5994, 0.3127, 0.3290

Same Dimension

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



34.3600, 0.2273, 0.3044



58.9380, 0.2190, 0.2984



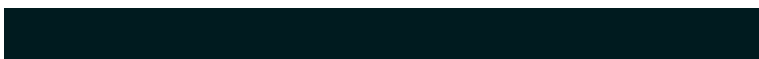
15.3844, 0.1990, 0.1893



10.6191, 0.2985, 0.3263



21.2595, 0.2148, 0.2932



0.8861, 0.2174, 0.3025

Inverse Universe

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



16.5481, 0.3398, 0.1893



26.0803, 0.3462, 0.1756



28.3757, 0.4557, 0.4288



9.6771, 0.3155, 0.3089



9.1759, 0.3515, 0.1710



0.3648, 0.3432, 0.1664

Previews

White Background



This preview shows how the Yxy color 34.3587, 0.2273, 0.3044 looks on a white background.

Color Contrast Check

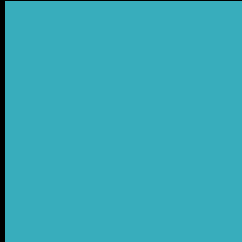
Large Text (above 18pt) WCAG AA × Fail

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 34.3587, 0.2273, 0.3044 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

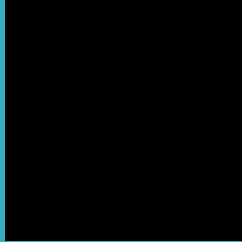
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

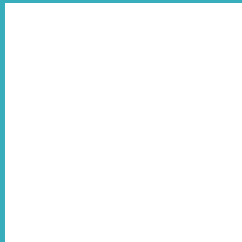
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 34.3587, 0.2273, 0.3044

Background



This preview shows how black text looks on a background with the Yxy color 34.3587, 0.2273, 0.3044.

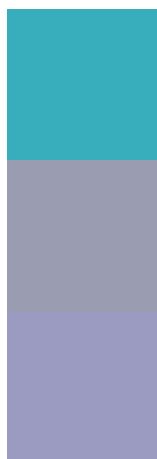


This preview shows how white text looks on a background with the Yxy color 34.3587, 0.2273, 0.3044.

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

34.3587, 0.2273, 0.3044

Protanopia

33.8213, 0.2925, 0.2984

Deuteranopia

33.8855, 0.2811, 0.2754



Tritanopia

34.3157, 0.2278, 0.3060

Trichromacy



Original Color

34.3587, 0.2273, 0.3044



Protanomaly

33.0284, 0.2604, 0.2993



Deuteranomaly

33.1733, 0.2542, 0.2834



Tritanomaly

34.3157, 0.2278, 0.3060

Monochromacy



Original Color

34.3587, 0.2273, 0.3044



Achromatopsia

26.2251, 0.3127, 0.3290



Achromatomaly

28.1420, 0.2689, 0.3203

CSS Examples

Text

The CSS property to change the color of the text to Yxy 34.3587, 0.2273, 0.3044 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(56, 173, 188)` looks like.

```
.text, #text, p{  
    color:rgb(56, 173, 188)  
}
```

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(56, 173, 188) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(56, 173, 188) }
```

Border

The CSS property to change the border of an element to Yxy 34.3587, 0.2273, 0.3044 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(56, 173, 188) }
```

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

```
.border{ border-color:rgb(56, 173, 188) }
```

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

Here you see how a box with a 4 pixel `rgb(56, 173, 188)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(56, 173, 188); -webkit-box-  
shadow:4px 4px 4px 4px rgb(56, 173, 188);  
box-shadow:4px 4px 4px 4px rgb(56, 173,  
188) }
```


Background

The CSS property to change the background color of an element to Yxy 34.3587, 0.2273, 0.3044 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(56, 173, 188) }
```

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

```
.background{ background-color: rgb(56, 173,  
188) }
```

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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