

Converting Colors

$Yxy(34.3423, 0.2391, 0.3415)$

Have a look what the booklet for
Yxy(34.3423, 0.2391, 0.3415)
contains.

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Color

Yxy(34.3570, 0.2388, 0.3407)

Conversions

Conversions Part 1

Format	Color
Hex	39AFA8
RGB	57, 175, 168
RGB Percent	22%, 69%, 66%
CMY	0.7768, 0.3137, 0.3412
CMYK	0.67, 0.00, 0.04, 0.31
HSL	176°, 51%, 45%
HSV	176°, 67%, 69%
XYZ	24.0812, 34.3570, 42.4042
YIQ	138.9200, -68.0810, -27.1930

Conversions

Conversions Part 2

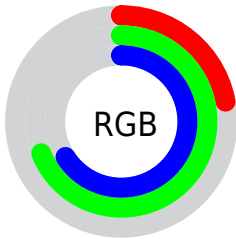
Format	Color
RYB	57, 118, 175
Decimal	3780520
CIELab	65.24, -33.81, -5.98
CIELCh	65, 34.333, 190.025
Yxy	34.3570, 0.2388, 0.3407
Android (android.graphics.Color)	4281970600 (0xFF39AFA8)
YUV	138.9200, 14.3364, -71.8438
Hunter-Lab	58.6148, -29.2415, -1.8623

Details

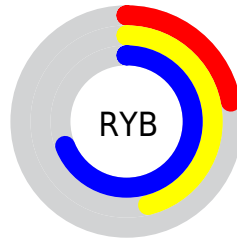
The Yxy color **34.3570, 0.2388, 0.3407** is a dark color, and the websafe version is hex **009999**. A complement of this color would be **12.4034, 0.5192, 0.3209**, and the grayscale version is **25.7424, 0.3127, 0.3290**.

A 20% lighter version of the original color is **66.4726, 0.2531, 0.3389**, and **15.1800, 0.2287, 0.3433** is the 20% darker color. If you saturate the color by 10%, you get **33.8917, 0.2341, 0.3427**, and if you desaturate by 10%, it is **35.0024, 0.2454, 0.3388**.

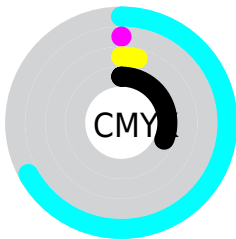
Distribution



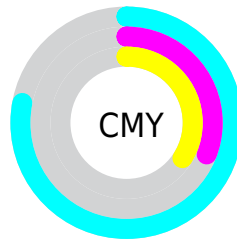
- Red (22%)
- Green (69%)
- Blue (66%)



- Red (22%)
- Yellow (46%)
- Blue (69%)



- Cyan (67%)
- Magenta (0%)
- Yellow (4%)
- Black (31%)





- Cyan (78%)
- Magenta (31%)
- Yellow (34%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 34.3570, 0.2388, 0.3407 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 34.3570, 0.2388, 0.3407 by changing the saturation by 10% instead.


 34.3570, 0.2388,
0.3407


 34.3570, 0.2388,
0.3407


321.7210, 0.2769,
0.3353


 23.1680, 0.2290,
0.3418

 66.4884, 0.2529,
0.3389


 14.7176, 0.2162,
0.3431


 88.1997, 0.2581,
0.3382


 8.6214, 0.1989,
0.3445


 114.1871, 0.2625,
0.3375

 4.4951, 0.1746,
0.3458

 144.8351, 0.2662,
0.3370

 1.9542, 0.1378,
0.3459

 180.5281, 0.2695,
0.3365

 0.5806, 0.0000,
0.3555

221.6505, 0.2723,

 0.0000, 0.0000,

0.3361

0.0000

268.5867, 0.2747,
0.3357

■ 34.3570, 0.2388,
0.3407

■ 34.3570, 0.2388,
0.3407

■ 33.8917, 0.2341,
0.3427

■ 35.0024, 0.2454,
0.3388

■ 33.5835, 0.2313,
0.3446

■ 35.8403, 0.2538,
0.3368

■ 33.4043, 0.2300,
0.3466

■ 36.8867, 0.2638,
0.3350

■ 33.3662, 0.2297,
0.3471

■ 38.1547, 0.2754,
0.3332

■ 39.6564, 0.2882,
0.3316

■ 41.4029, 0.3020,
0.3301

■ 43.4048, 0.3164,
0.3287

■ 45.6719, 0.3312,
0.3274

■ 48.2136, 0.3462,
0.3263

Harmonies

Analogous

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



34.3570, 0.2790, 0.3923



34.3570, 0.2388, 0.3407



34.3570, 0.2185, 0.2906

Triad

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



34.3570, 0.2388, 0.3407



34.3570, 0.2879, 0.2521



34.3570, 0.4122, 0.3928

Complementary

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



34.3570, 0.2388, 0.3407



12.4034, 0.5192, 0.3209

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.



34.3570, 0.4170, 0.3531



34.3570, 0.2388, 0.3407



34.3570, 0.3417, 0.2759

Square

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



34.3570, 0.2388, 0.3407



34.3570, 0.2449, 0.2449



34.3570, 0.3906, 0.3117



34.3570, 0.3796, 0.4205

Rectangle

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



34.3570, 0.2388, 0.3407



34.3570, 0.2176, 0.2661



34.3570, 0.3906, 0.3117



34.3570, 0.4173, 0.3803

Sweetspot

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



34.3583, 0.2388, 0.3407



70.1980, 0.2844, 0.3320



32.0753, 0.3070, 0.5400



15.4357, 0.2809, 0.3325



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.



34.3583, 0.2388, 0.3407



60.3863, 0.2325, 0.3436



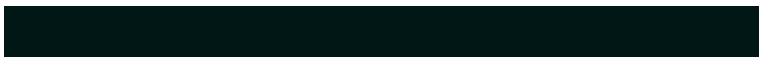
18.3383, 0.2125, 0.2346



9.0637, 0.2994, 0.3303



23.8949, 0.2297, 0.3468



0.6672, 0.2280, 0.3409

Inverse Universe

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



12.4034, 0.5192, 0.3209



18.3260, 0.5844, 0.3226



20.1549, 0.4716, 0.3996



8.0228, 0.3277, 0.3277



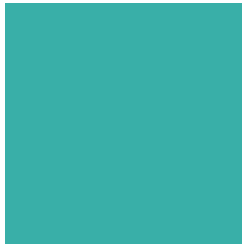
6.5464, 0.6321, 0.3256



0.1846, 0.5994, 0.3076

Previews

White Background



This preview shows how the Yxy color 34.3570, 0.2388, 0.3407 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 34.3570, 0.2388, 0.3407 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

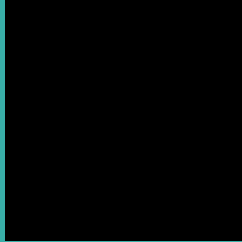
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 34.3570, 0.2388, 0.3407

Background



This preview shows how black text looks on a background with the Yxy color 34.3570, 0.2388, 0.3407.

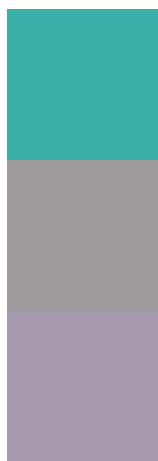


This preview shows how white text looks on a background with the Yxy color 34.3570, 0.2388, 0.3407.

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

34.3570, 0.2388, 0.3407

Protanopia

33.6848, 0.3157, 0.3275

Deuteranopia

33.7989, 0.3063, 0.3005



Tritanopia

34.2085, 0.2314, 0.3061

Trichromacy



Original Color

34.3570, 0.2388, 0.3407

Protanomaly

32.9785, 0.2789, 0.3321

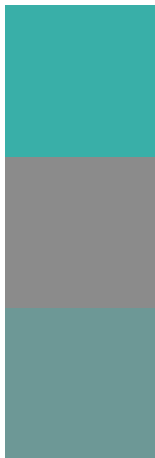
Deuteranomaly

32.8656, 0.2735, 0.3132

Tritanomaly

34.1986, 0.2343, 0.3189

Monochromacy



Original Color

34.3570, 0.2388, 0.3407

Achromatopsia

25.8183, 0.3127, 0.3290

Achromatomaly

27.9097, 0.2744, 0.3324

CSS Examples

Text

The CSS property to change the color of the text to Yxy 34.3570, 0.2388, 0.3407 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(57, 175, 168)` looks like.

```
.text, #text, p{  
  color:rgb(57, 175, 168)  
}
```

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(57, 175, 168) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(57, 175, 168) }
```

Border

The CSS property to change the border of an element to Yxy 34.3570, 0.2388, 0.3407 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(57, 175, 168) }
```

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

```
.border{ border-color:rgb(57, 175, 168) }
```

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

Here you see how a box with a 4 pixel `rgb(57, 175, 168)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(57, 175, 168); -webkit-box-  
shadow:4px 4px 4px 4px rgb(57, 175, 168);  
box-shadow:4px 4px 4px 4px rgb(57, 175,  
168) }
```


Background

The CSS property to change the background color of an element to Yxy 34.3570, 0.2388, 0.3407 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(57, 175, 168) }
```

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

```
.background{ background-color: rgb(57, 175,  
168) }
```

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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