

Converting Colors

$Y_{xy}(33.7735, 0.2405, 0.3340)$

Have a look what the booklet for
Yxy(33.7735, 0.2405, 0.3340)
contains.

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Color

Yxy(33.9477, 0.2404, 0.3338)

Conversions

Conversions Part 1

Format	Color
Hex	42ADAA
RGB	66, 173, 170
RGB Percent	26%, 68%, 67%
CMY	0.7411, 0.3216, 0.3332
CMYK	0.62, 0.00, 0.02, 0.32
HSL	178°, 45%, 47%
HSV	178°, 62%, 68%
XYZ	24.4489, 33.9477, 43.3042
YIQ	140.6650, -62.8090, -23.6170

Conversions

Conversions Part 2

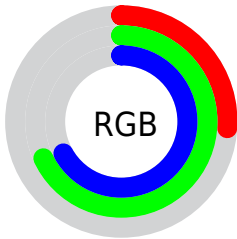
Format	Color
RYB	66, 120, 173
Decimal	4369834
CIELab	64.92, -30.81, -7.56
CIElCh	65, 31.724, 193.788
Yxy	33.9477, 0.2404, 0.3338
Android (android.graphics.Color)	4282559914 (0xFF42ADAA)
YUV	140.6650, 14.4622, -65.4812
Hunter-Lab	58.2647, -27.0615, -3.2810

Details

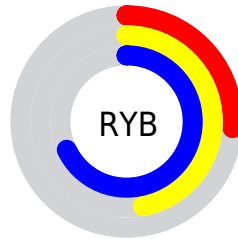
The Yxy color **33.9477, 0.2404, 0.3338** is a dark color, and the websafe version is hex **339999**. A complement of this color would be **13.2139, 0.4991, 0.3256**, and the grayscale version is **26.4630, 0.3127, 0.3290**.

A 20% lighter version of the original color is **65.9105, 0.2543, 0.3338**, and **14.7409, 0.2260, 0.3336** is the 20% darker color. If you saturate the color by 10%, you get **33.4178, 0.2345, 0.3347**, and if you desaturate by 10%, it is **34.6620, 0.2482, 0.3329**.

Distribution



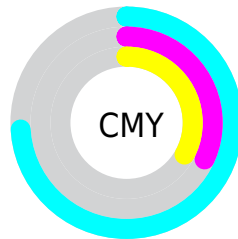
- Red (26%)
- Green (68%)
- Blue (67%)



- Red (26%)
- Yellow (47%)
- Blue (68%)



- Cyan (62%)
- Magenta (0%)
- Yellow (2%)
- Black (32%)




- Cyan (74%)
- Magenta (32%)
- Yellow (33%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 33.9477, 0.2404, 0.3338 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 33.9477, 0.2404, 0.3338 by changing the saturation by 10% instead.


 33.9477, 0.2404,
0.3338


 33.9477, 0.2404,
0.3338


319.8988, 0.2777,
0.3321

 22.8534, 0.2308,
0.3339


 65.8523, 0.2542,
0.3334

 14.4853, 0.2182,
0.3339


 87.4315, 0.2593,
0.3332


 8.4590, 0.2013,
0.3335


 113.2744, 0.2636,
0.3330

 4.3900, 0.1774,
0.3320

 143.7654, 0.2673,
0.3328

 1.8940, 0.1415,
0.3276

 179.2890, 0.2704,
0.3326

 0.5448, 0.0000,
0.3252

220.2294, 0.2732,

 0.0000, 0.0000,

0.3324

0.0000

266.9713, 0.2756,
0.3323

■ 33.9477, 0.2404,
0.3338

■ 33.9477, 0.2404,
0.3338

■ 33.4178, 0.2345,
0.3347

■ 34.6620, 0.2482,
0.3329

■ 33.0514, 0.2304,
0.3356

■ 35.5717, 0.2578,
0.3321

■ 32.8297, 0.2280,
0.3365

■ 36.6913, 0.2690,
0.3313

■ 32.7206, 0.2270,
0.3372

■ 38.0331, 0.2817,
0.3305

■ 39.6083, 0.2954,
0.3298

■ 41.4274, 0.3100,
0.3291

■ 43.5001, 0.3251,
0.3285

■ 45.8358, 0.3406,
0.3280

■ 48.4434, 0.3560,
0.3275

Harmonies

Analogous

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



33.9477, 0.2761, 0.3821



33.9477, 0.2404, 0.3338



33.9477, 0.2239, 0.2888

Triad

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



33.9477, 0.2404, 0.3338



33.9477, 0.2958, 0.2591



33.9477, 0.4027, 0.3930

Complementary

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



33.9477, 0.2404, 0.3338



13.2139, 0.4991, 0.3256

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.



33.9477, 0.4105, 0.3569



33.9477, 0.2404, 0.3338



33.9477, 0.3460, 0.2832

Square

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



33.9477, 0.2404, 0.3338



33.9477, 0.2537, 0.2503



33.9477, 0.3894, 0.3178



33.9477, 0.3701, 0.4158

Rectangle

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



33.9477, 0.2404, 0.3338



33.9477, 0.2247, 0.2673



33.9477, 0.3894, 0.3178



33.9477, 0.4085, 0.3818

Sweetspot

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



33.9490, 0.2404, 0.3338



68.7822, 0.2850, 0.3303



31.5674, 0.3057, 0.5237



14.7881, 0.2813, 0.3305



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.



33.9490, 0.2404, 0.3338



59.5920, 0.2328, 0.3350



18.3623, 0.2180, 0.2371



9.0682, 0.2990, 0.3296



24.0401, 0.2270, 0.3371



0.6699, 0.2262, 0.3344

Inverse Universe

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



13.2139, 0.4991, 0.3256



19.3307, 0.5614, 0.3260



21.7569, 0.4505, 0.4008



8.0188, 0.3282, 0.3284



6.5360, 0.6363, 0.3279



0.1830, 0.6201, 0.3190

Previews

White Background



This preview shows how the Yxy color 33.9477, 0.2404, 0.3338 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 33.9477, 0.2404, 0.3338 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

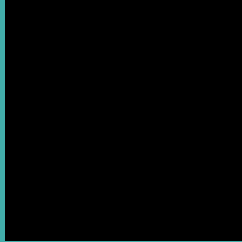
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

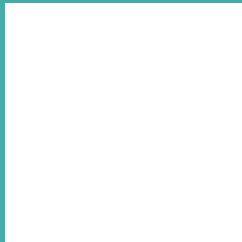
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 33.9477, 0.2404, 0.3338

Background



This preview shows how black text looks on a background with the Yxy color 33.9477, 0.2404, 0.3338.

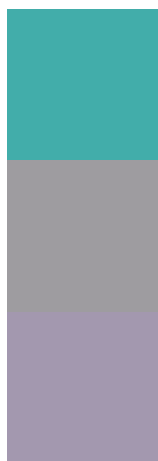


This preview shows how white text looks on a background with the Yxy color 33.9477, 0.2404, 0.3338.

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

33.9477, 0.2404, 0.3338

Protanopia

33.5841, 0.3110, 0.3231

Deuteranopia

33.3381, 0.3026, 0.2961



Tritanopia

34.0451, 0.2344, 0.3061

Trichromacy



Original Color

33.9477, 0.2404, 0.3338



Protanomaly

32.8810, 0.2781, 0.3257



Deuteranomaly

32.7479, 0.2735, 0.3087



Tritanomaly

34.1024, 0.2362, 0.3157

Monochromacy



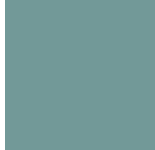
Original Color

33.9477, 0.2404, 0.3338



Achromatopsia

26.6356, 0.3127, 0.3290



Achromatomaly

28.6269, 0.2771, 0.3306

CSS Examples

Text

The CSS property to change the color of the text to Yxy 33.9477, 0.2404, 0.3338 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(66, 173, 170)` looks like.

```
.text, #text, p{  
    color:rgb(66, 173, 170)  
}
```

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(66, 173, 170) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(66, 173, 170) }
```

Border

The CSS property to change the border of an element to Yxy 33.9477, 0.2404, 0.3338 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(66, 173, 170) }
```

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

```
.border{ border-color:rgb(66, 173, 170) }
```

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

Here you see how a box with a 4 pixel `rgb(66, 173, 170)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(66, 173, 170); -webkit-box-  
shadow:4px 4px 4px 4px rgb(66, 173, 170);  
box-shadow:4px 4px 4px 4px rgb(66, 173,  
170) }
```


Background

The CSS property to change the background color of an element to Yxy 33.9477, 0.2404, 0.3338 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(66, 173, 170) }
```

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

```
.background{ background-color: rgb(66, 173,  
170) }
```

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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