

Converting Colors

$Y_{xy}(33.4675, 0.2359, 0.3225)$

Have a look what the booklet for
Yxy(33.4675, 0.2359, 0.3225)
contains.

Yxy(33.2777, 0.2357, 0.3221)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(33.2777, 0.2357, 0.3221)

Conversions

Conversions Part 1

Format	Color
Hex	3FABAF
RGB	63, 171, 175
RGB Percent	25%, 67%, 69%
CMY	0.7527, 0.3294, 0.3138
CMYK	0.64, 0.02, 0.00, 0.31
HSL	182°, 47%, 47%
HSV	182°, 64%, 69%
XYZ	24.3513, 33.2777, 45.6858
YIQ	139.1640, -65.6520, -21.6520

Conversions

Conversions Part 2

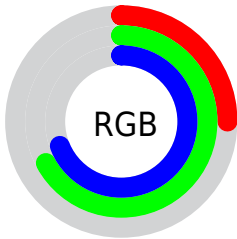
Format	Color
RYB	63, 118, 175
Decimal	4172719
CIELab	64.39, -28.92, -11.13
CIElCh	64, 30.992, 201.053
Yxy	33.2777, 0.2357, 0.3221
Android (android.graphics.Color)	4282362799 (0xFF3FABAF)
YUV	139.1640, 17.6671, -66.7958
Hunter-Lab	57.6868, -25.6019, -6.5747

Details

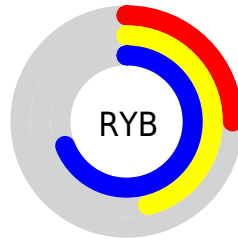
The Yxy color **33.2777, 0.2357, 0.3221** is a dark color, and the websafe version is hex **339999**. A complement of this color would be **13.4895, 0.5107, 0.3347**, and the grayscale version is **25.8405, 0.3127, 0.3290**.

A 20% lighter version of the original color is **64.9364, 0.2506, 0.3251**, and **14.3869, 0.2213, 0.3167** is the 20% darker color. If you saturate the color by 10%, you get **32.5565, 0.2296, 0.3209**, and if you desaturate by 10%, it is **34.1856, 0.2437, 0.3233**.

Distribution



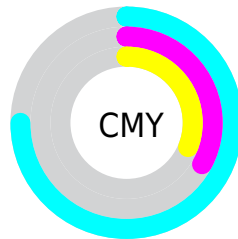
- Red (25%)
- Green (67%)
- Blue (69%)



- Red (25%)
- Yellow (46%)
- Blue (69%)



- Cyan (64%)
- Magenta (2%)
- Yellow (0%)
- Black (31%)



- Cyan (75%)
- Magenta (33%)
- Yellow (31%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 33.2777, 0.2357, 0.3221 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 33.2777, 0.2357, 0.3221 by changing the saturation by 10% instead.


 33.2777, 0.2357,
0.3221


 33.2777, 0.2357,
0.3221


316.8992, 0.2753,
0.3268

 22.3393, 0.2255,
0.3205


 64.8088, 0.2503,
0.3241

 14.1064, 0.2123,
0.3180


 86.1703, 0.2558,
0.3248


 8.1947, 0.1945,
0.3142


 111.7750, 0.2603,
0.3253

 4.2198, 0.1695,
0.3077

 142.0072, 0.2642,
0.3257

 1.7973, 0.1325,
0.2950

 177.2513, 0.2676,
0.3261

 0.4855, 0.0000,
0.2646

217.8917, 0.2705,

 0.0000, 0.0000,

0.3264

0.0000

264.3129, 0.2731,
0.3266

■ 33.2777, 0.2357,
0.3221

■ 33.2777, 0.2357,
0.3221

■ 32.5565, 0.2296,
0.3209

■ 34.1856, 0.2437,
0.3233

■ 32.0003, 0.2253,
0.3197

■ 35.2921, 0.2535,
0.3245

■ 31.5885, 0.2227,
0.3186

■ 36.6125, 0.2650,
0.3256

■ 31.3807, 0.2216,
0.3179

■ 38.1596, 0.2778,
0.3267

■ 39.9451, 0.2918,
0.3277

■ 41.9799, 0.3067,
0.3286

■ 44.2742, 0.3221,
0.3295

■ 46.8378, 0.3378,
0.3303

■ 49.6798, 0.3535,
0.3310

Harmonies

Analogous

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



33.2777, 0.2668, 0.3705



33.2777, 0.2357, 0.3221



33.2777, 0.2244, 0.2809

Triad

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



33.2777, 0.2357, 0.3221



33.2777, 0.3078, 0.2647



33.2777, 0.3954, 0.3991

Complementary

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



33.2777, 0.2357, 0.3221



13.4895, 0.5107, 0.3347

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.



33.2777, 0.4097, 0.3658



33.2777, 0.2357, 0.3221



33.2777, 0.3571, 0.2914

Square

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



33.2777, 0.2357, 0.3221



33.2777, 0.2634, 0.2520



33.2777, 0.3956, 0.3272



33.2777, 0.3589, 0.4164

Rectangle

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



33.2777, 0.2357, 0.3221



33.2777, 0.2286, 0.2627



33.2777, 0.3956, 0.3272



33.2777, 0.4031, 0.3892

Sweetspot

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



33.2790, 0.2357, 0.3221



69.7889, 0.2842, 0.3271



32.1131, 0.3014, 0.5264



15.3165, 0.2803, 0.3269



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.



33.2790, 0.2357, 0.3221



57.8534, 0.2275, 0.3204



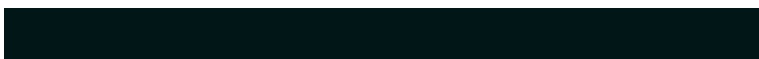
16.4800, 0.2118, 0.2188



9.0225, 0.2987, 0.3281



22.4985, 0.2217, 0.3180



0.6406, 0.2227, 0.3215

Inverse Universe

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



15.6131, 0.3247, 0.1891



24.0030, 0.3271, 0.1710



23.5746, 0.4487, 0.4128



8.1431, 0.3143, 0.3074



8.5743, 0.3299, 0.1591



0.2400, 0.3269, 0.1575

Previews

White Background



This preview shows how the Yxy color 33.2777, 0.2357, 0.3221 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 33.2777, 0.2357, 0.3221 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

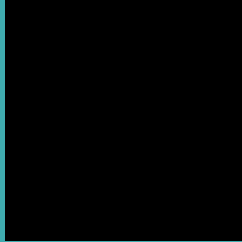
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

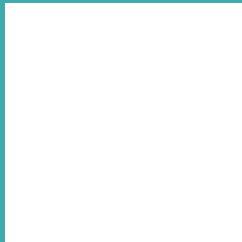
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 33.2777, 0.2357, 0.3221

Background



This preview shows how black text looks on a background with the Yxy color 33.2777, 0.2357, 0.3221.

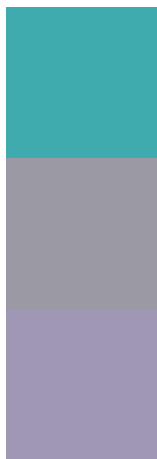


This preview shows how white text looks on a background with the Yxy color 33.2777, 0.2357, 0.3221.

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

33.2777, 0.2357, 0.3221

Protanopia

32.7601, 0.3046, 0.3141

Deuteranopia

32.7588, 0.2953, 0.2887



Tritanopia

33.3616, 0.2326, 0.3075

Trichromacy



Original Color

33.2777, 0.2357, 0.3221

Protanomaly

32.1063, 0.2724, 0.3161

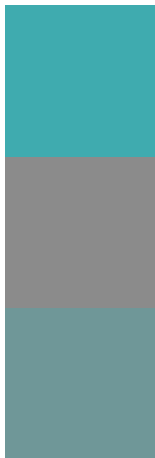
Deuteranomaly

31.9532, 0.2663, 0.2978

Tritanomaly

33.2030, 0.2338, 0.3122

Monochromacy



Original Color

33.2777, 0.2357, 0.3221

Achromatopsia

25.8183, 0.3127, 0.3290

Achromatomaly

27.7797, 0.2743, 0.3272

CSS Examples

Text

The CSS property to change the color of the text to Yxy 33.2777, 0.2357, 0.3221 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(63, 171, 175)` looks like.

```
.text, #text, p{  
    color:rgb(63, 171, 175)  
}
```

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(63, 171, 175) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(63, 171, 175) }
```

Border

The CSS property to change the border of an element to Yxy 33.2777, 0.2357, 0.3221 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(63, 171, 175) }
```

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

```
.border{ border-color:rgb(63, 171, 175) }
```

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

Here you see how a box with a 4 pixel `rgb(63, 171, 175)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(63, 171, 175); -webkit-box-  
shadow:4px 4px 4px 4px rgb(63, 171, 175);  
box-shadow:4px 4px 4px 4px rgb(63, 171,  
175) }
```


Background

The CSS property to change the background color of an element to Yxy 33.2777, 0.2357, 0.3221 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(63, 171, 175) }
```

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

```
.background{ background-color: rgb(63, 171,  
175) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor