

Converting Colors

$Y_{xy}(32.8862, 0.2438, 0.3151)$

Have a look what the booklet for
Yxy(32.8862, 0.2438, 0.3151)
contains.

Yxy(33.0247, 0.2437, 0.3156)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(33.0247, 0.2437, 0.3156)

Conversions

Conversions Part 1

Format	Color
Hex	54A8B0
RGB	84, 168, 176
RGB Percent	33%, 66%, 69%
CMY	0.6703, 0.3412, 0.3097
CMYK	0.52, 0.05, 0.00, 0.31
HSL	185°, 37%, 51%
HSV	185°, 52%, 69%
XYZ	25.5010, 33.0247, 46.1153
YIQ	143.7960, -52.6320, -15.3200

Conversions

Conversions Part 2

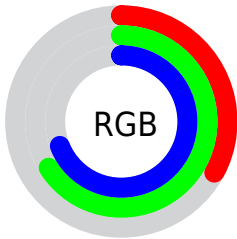
Format	Color
RYB	84, 128, 176
Decimal	5548208
CIELab	64.18, -23.12, -11.95
CIElCh	64, 26.029, 207.337
Yxy	33.0247, 0.2437, 0.3156
Android (android.graphics.Color)	4283738288 (0xFF54A8B0)
YUV	143.7960, 15.8766, -52.4411
Hunter-Lab	57.4671, -21.3582, -7.3511

Details

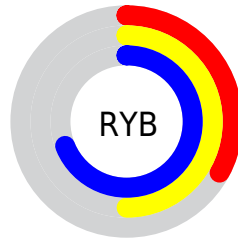
The Yxy color **33.0247, 0.2437, 0.3156** is a dark color, and the websafe version is hex **339999**. A complement of this color would be **17.5445, 0.4538, 0.3410**, and the grayscale version is **27.7617, 0.3127, 0.3290**.

A 20% lighter version of the original color is **64.1770, 0.2563, 0.3178**, and **14.0562, 0.2224, 0.3096** is the 20% darker color. If you saturate the color by 10%, you get **31.7484, 0.2347, 0.3127**, and if you desaturate by 10%, it is **34.5143, 0.2544, 0.3185**.

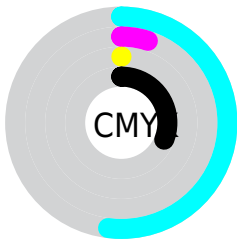
Distribution



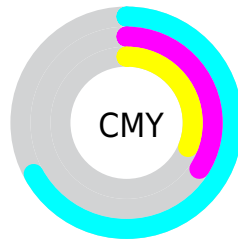
- Red (33%)
- Green (66%)
- Blue (69%)



- Red (33%)
- Yellow (50%)
- Blue (69%)



- Cyan (52%)
- Magenta (5%)
- Yellow (0%)
- Black (31%)




- Cyan (67%)
- Magenta (34%)
- Yellow (31%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 33.0247, 0.2437, 0.3156 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 33.0247, 0.2437, 0.3156 by changing the saturation by 10% instead.


 33.0247, 0.2437,
0.3156


 33.0247, 0.2437,
0.3156


315.7610, 0.2793,
0.3235

 22.1454, 0.2345,
0.3132


 64.4141, 0.2569,
0.3188


 13.9638, 0.2225,
0.3097


 85.6929, 0.2618,
0.3199

 8.0955, 0.2063,
0.3047


 111.2071, 0.2659,
0.3208

 4.1561, 0.1833,
0.2964

 141.3409, 0.2694,
0.3215

 1.7613, 0.1487,
0.2814

176.4788, 0.2724,
0.3222

 0.4629, 0.0000,
0.2497

217.0052, 0.2750,

 0.0000, 0.0000,

0.3227

0.0000

263.3045, 0.2773,
0.3231

■ 33.0247, 0.2437,
0.3156

■ 33.0247, 0.2437,
0.3156

■ 31.7484, 0.2347,
0.3127

■ 34.5143, 0.2544,
0.3185

■ 30.6661, 0.2276,
0.3097

■ 36.2276, 0.2665,
0.3212

■ 29.7612, 0.2224,
0.3067

■ 38.1784, 0.2799,
0.3238

■ 29.0123, 0.2189,
0.3038

■ 40.3785, 0.2943,
0.3263

■ 28.5041, 0.2171,
0.3015

■ 42.8391, 0.3093,
0.3285

■ 45.5702, 0.3247,
0.3306

■ 48.5819, 0.3402,
0.3324

■ 51.8831, 0.3556,
0.3341

■ 55.4829, 0.3708,
0.3355

Harmonies

Analogous

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



33.0247, 0.2673, 0.3556



33.0247, 0.2437, 0.3156



33.0247, 0.2376, 0.2831

Triad

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



33.0247, 0.2437, 0.3156



33.0247, 0.3176, 0.2779



33.0247, 0.3777, 0.3932

Complementary

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



33.0247, 0.2437, 0.3156



17.5445, 0.4538, 0.3410

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.



33.0247, 0.3938, 0.3677



33.0247, 0.2437, 0.3156



33.0247, 0.3581, 0.3031

Square

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



33.0247, 0.2437, 0.3156



33.0247, 0.2781, 0.2643



33.0247, 0.3868, 0.3351



33.0247, 0.3443, 0.4026

Rectangle

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



33.0247, 0.2437, 0.3156



33.0247, 0.2437, 0.2695



33.0247, 0.3868, 0.3351



33.0247, 0.3854, 0.3860

Sweetspot

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



33.0260, 0.2437, 0.3156



71.5464, 0.2884, 0.3253



33.7150, 0.3004, 0.4797



15.3325, 0.2855, 0.3248



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.



33.0260, 0.2437, 0.3156



57.1743, 0.2333, 0.3121



19.0361, 0.2276, 0.2341



9.5021, 0.2986, 0.3269



20.9514, 0.2172, 0.3018



0.6961, 0.2195, 0.3100

Inverse Universe

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



18.4104, 0.3286, 0.2149



28.2273, 0.3328, 0.1948



27.9667, 0.4150, 0.4064



8.6337, 0.3150, 0.3085



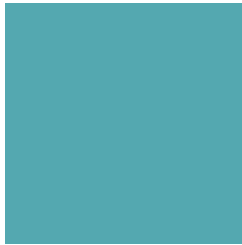
8.6552, 0.3438, 0.1668



0.2760, 0.3367, 0.1629

Previews

White Background



This preview shows how the Yxy color 33.0247, 0.2437, 0.3156 looks on a white background.

Color Contrast Check

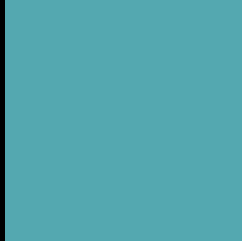
Large Text (above 18pt) WCAG AA × Fail

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 33.0247, 0.2437, 0.3156 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

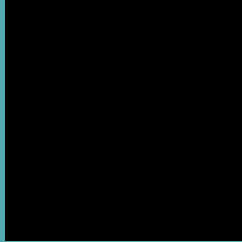
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 33.0247, 0.2437, 0.3156

Background



This preview shows how black text looks on a background with the Yxy color 33.0247, 0.2437, 0.3156.

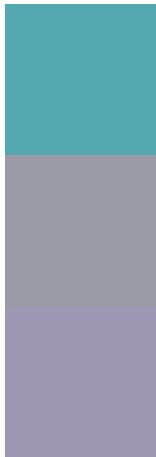


This preview shows how white text looks on a background with the Yxy color 33.0247, 0.2437, 0.3156.

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

33.0247, 0.2437, 0.3156

Protanopia

32.7712, 0.3010, 0.3096

Deuteranopia

32.6976, 0.2935, 0.2872



Tritanopia

32.9521, 0.2415, 0.3061

Trichromacy



Original Color

33.0247, 0.2437, 0.3156

Protanomaly

32.3657, 0.2765, 0.3117

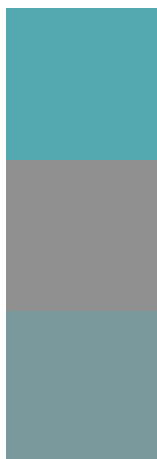
Deuteranomaly

32.1939, 0.2710, 0.2952

Tritanomaly

32.8234, 0.2421, 0.3092

Monochromacy



Original Color

33.0247, 0.2437, 0.3156

Achromatopsia

27.8894, 0.3127, 0.3290

Achromatomaly

29.3203, 0.2808, 0.3239

CSS Examples

Text

The CSS property to change the color of the text to Yxy 33.0247, 0.2437, 0.3156 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(84, 168, 176)` looks like.

```
.text, #text, p{  
    color:rgb(84, 168, 176)  
}
```

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(84, 168, 176) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(84, 168, 176) }
```

Border

The CSS property to change the border of an element to Yxy 33.0247, 0.2437, 0.3156 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(84, 168, 176) }
```

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

```
.border{ border-color:rgb(84, 168, 176) }
```

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

Here you see how a box with a 4 pixel `rgb(84, 168, 176)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(84, 168, 176); -webkit-box-  
shadow:4px 4px 4px 4px rgb(84, 168, 176);  
box-shadow:4px 4px 4px 4px rgb(84, 168,  
176) }
```


Background

The CSS property to change the background color of an element to `rgb(84, 168, 176)` is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(84, 168, 176) }
```

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

```
.background{ background-color: rgb(84, 168,  
176) }
```

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