

Converting Colors

$Yxy(33.0653, 0.2344, 0.2943)$

Have a look what the booklet for
Yxy(33.0653, 0.2344, 0.2943)
contains.

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Color

Yxy(33.0170, 0.2340, 0.2936)

Conversions

Conversions Part 1

Format	Color
Hex	50A7BD
RGB	80, 167, 189
RGB Percent	31%, 65%, 74%
CMY	0.6860, 0.3451, 0.2589
CMYK	0.58, 0.12, 0.00, 0.26
HSL	192°, 45%, 53%
HSV	192°, 58%, 74%
XYZ	26.3146, 33.0170, 53.1241
YIQ	143.4950, -58.9140, -11.6020

Conversions

Conversions Part 2

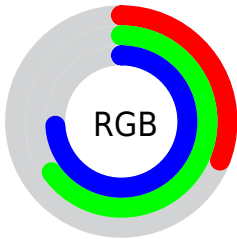
Format	Color
RYB	80, 128, 189
Decimal	5285821
CIELab	64.17, -19.70, -19.22
CIELCh	64, 27.522, 224.287
Yxy	33.0170, 0.2340, 0.2936
Android (android.graphics.Color)	4283475901 (0xFF50A7BD)
YUV	143.4950, 22.4340, -55.6851
Hunter-Lab	57.4604, -18.8097, -14.5933

Details

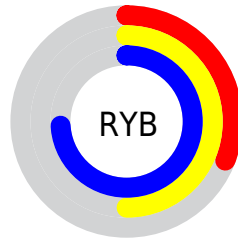
The Yxy color **33.0170, 0.2340, 0.2936** is a dark color, and the websafe version is hex **669999**. A complement of this color would be **20.9104, 0.4664, 0.3586**, and the grayscale version is **27.6085, 0.3127, 0.3290**.

A 20% lighter version of the original color is **64.2384, 0.2489, 0.3012**, and **14.0390, 0.2112, 0.2805** is the 20% darker color. If you saturate the color by 10%, you get **30.9299, 0.2245, 0.2864**, and if you desaturate by 10%, it is **35.3792, 0.2452, 0.3006**.

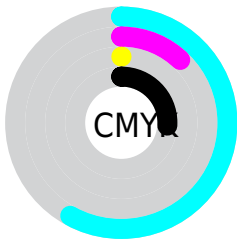
Distribution



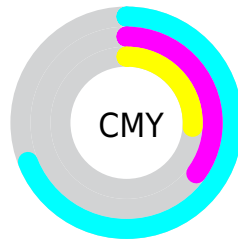
- Red (31%)
- Green (65%)
- Blue (74%)



- Red (31%)
- Yellow (50%)
- Blue (74%)



- Cyan (58%)
- Magenta (12%)
- Yellow (0%)
- Black (26%)



- Cyan (69%)
- Magenta (35%)
- Yellow (26%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 33.0170, 0.2340, 0.2936 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 33.0170, 0.2340, 0.2936 by changing the saturation by 10% instead.

■ 33.0170, 0.2340,
0.2936

■ 33.0170, 0.2340,
0.2936

■ 315.7263, 0.2743,
0.3132

■ 22.1395, 0.2237,
0.2881

■ 64.4021, 0.2488,
0.3012

■ 13.9594, 0.2105,
0.2807

■ 85.6784, 0.2543,
0.3039

■ 8.0924, 0.1928,
0.2702

■ 111.1898, 0.2590,
0.3061

■ 4.1542, 0.1683,
0.2544

■ 141.3206, 0.2630,
0.3080

■ 1.7602, 0.1327,
0.2285

■ 176.4553, 0.2664,
0.3096

■ 0.4622, 0.0000,
0.1774

■ 216.9782, 0.2694,

■ 0.0000, 0.0000,

0.3109

0.0000

263.2738, 0.2720,
0.3121

■ 33.0170, 0.2340,
0.2936

■ 33.0170, 0.2340,
0.2936

■ 30.9299, 0.2245,
0.2864

■ 35.3792, 0.2452,
0.3006

■ 29.0939, 0.2169,
0.2790

■ 38.0308, 0.2578,
0.3074

■ 27.4866, 0.2111,
0.2717

■ 40.9893, 0.2715,
0.3138

■ 26.0731, 0.2072,
0.2645

■ 44.2697, 0.2860,
0.3197

■ 25.7536, 0.2063,
0.2627

■ 47.8857, 0.3011,
0.3252

■ 51.8505, 0.3163,
0.3301

■ 56.1762, 0.3316,
0.3346

■ 60.8745, 0.3466,
0.3386

■ 65.9564, 0.3612,
0.3421

Harmonies

Analogous

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



33.0170, 0.2486, 0.3329



33.0170, 0.2340, 0.2936



33.0170, 0.2385, 0.2679

Triad

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



33.0170, 0.2340, 0.2936



33.0170, 0.3428, 0.2889



33.0170, 0.3629, 0.4052

Complementary

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



33.0170, 0.2340, 0.2936



20.9104, 0.4664, 0.3586

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.



33.0170, 0.3915, 0.3863



33.0170, 0.2340, 0.2936



33.0170, 0.3803, 0.3201

Square

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



33.0170, 0.2340, 0.2936



33.0170, 0.2988, 0.2672



33.0170, 0.3984, 0.3549



33.0170, 0.3219, 0.4021

Rectangle

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



33.0170, 0.2340, 0.2936



33.0170, 0.2518, 0.2603



33.0170, 0.3984, 0.3549



33.0170, 0.3743, 0.4009

Sweetspot

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



33.0182, 0.2340, 0.2936



79.5230, 0.2866, 0.3199



39.0553, 0.2923, 0.4777



16.8368, 0.2836, 0.3188



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.



33.0182, 0.2340, 0.2936



54.5507, 0.2224, 0.2846



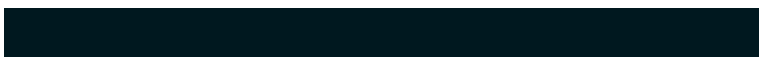
17.1335, 0.2137, 0.1993



10.4734, 0.2985, 0.3243



17.4400, 0.2066, 0.2637



0.7676, 0.2114, 0.2810

Inverse Universe

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



19.3533, 0.3470, 0.2178



29.2180, 0.3567, 0.2009



35.2790, 0.4179, 0.4289



9.6624, 0.3168, 0.3109



8.7903, 0.3789, 0.1861



0.3529, 0.3625, 0.1771

Previews

White Background



This preview shows how the Yxy color 33.0170, 0.2340, 0.2936 looks on a white background.

Color Contrast Check

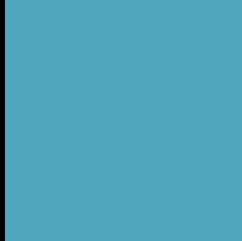
Large Text (above 18pt) WCAG AA × Fail

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 33.0170, 0.2340, 0.2936 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

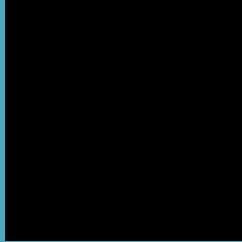
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 33.0170, 0.2340, 0.2936

Background



This preview shows how black text looks on a background with the Yxy color 33.0170, 0.2340, 0.2936.



This preview shows how white text looks on a background with the Yxy color 33.0170, 0.2340, 0.2936.

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

33.0170, 0.2340, 0.2936

Protanopia

32.5618, 0.2862, 0.2893

Deuteranopia

32.7463, 0.2765, 0.2718



Tritanopia

32.9604, 0.2367, 0.3059

Trichromacy



Original Color

33.0170, 0.2340, 0.2936

Protanomaly

32.2326, 0.2635, 0.2905

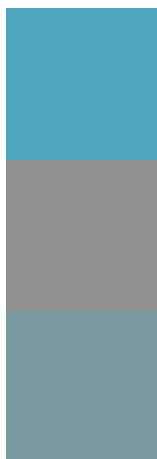
Deuteranomaly

32.2355, 0.2577, 0.2777

Tritanomaly

33.1277, 0.2356, 0.3013

Monochromacy



Original Color

33.0170, 0.2340, 0.2936

Achromatopsia

27.8894, 0.3127, 0.3290

Achromatomaly

29.0595, 0.2766, 0.3157

CSS Examples

Text

The CSS property to change the color of the text to Yxy 33.0170, 0.2340, 0.2936 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(80, 167, 189)` looks like.

```
.text, #text, p{  
    color:rgb(80, 167, 189)  
}
```

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(80, 167, 189) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(80, 167, 189) }
```

Border

The CSS property to change the border of an element to Yxy 33.0170, 0.2340, 0.2936 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(80, 167, 189) }
```

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

```
.border{ border-color:rgb(80, 167, 189) }
```

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

Here you see how a box with a 4 pixel `rgb(80, 167, 189)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(80, 167, 189); -webkit-box-  
shadow:4px 4px 4px 4px rgb(80, 167, 189);  
box-shadow:4px 4px 4px 4px rgb(80, 167,  
189) }
```


Background

The CSS property to change the background color of an element to Yxy 33.0170, 0.2340, 0.2936 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(80, 167, 189) }
```

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

```
.background{ background-color: rgb(80, 167,  
189) }
```

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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