

Converting Colors

$Yxy(33.7475, 0.2872, 0.3930)$

Have a look what the booklet for
Yxy(33.7475, 0.2872, 0.3930)
contains.

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Color

Yxy(33.8834, 0.2875, 0.3938)

Conversions

Conversions Part 1

| Format | Color |
|-------------|------------------------------|
| Hex | 6AAB85 |
| RGB | 106, 171, 133 |
| RGB Percent | 42%, 67%, 52% |
| CMY | 0.5844, 0.3294, 0.4785 |
| CMYK | 0.38, 0.00, 0.22, 0.33 |
| HSL | 145°, 28%, 54% |
| HSV | 145°, 38%, 67% |
| XYZ | 24.7371, 33.8834, 27.4216 |
| YIQ | 147.2330, -26.5420, -25.5980 |

Conversions

Conversions Part 2

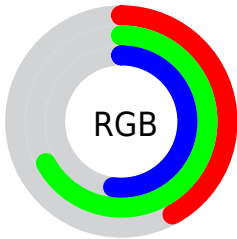
| Format | Color |
|-------------------------------------|---|
| RYB | 106, 152, 171 |
| Decimal | 6990725 |
| CIELab | 64.87, -29.34, 13.13 |
| CIElCh | 65, 32.148, 155.895 |
| Yxy | 33.8834, 0.2875, 0.3938 |
| Android (android.graphics.Color) | 4285180805 (0xFF6AAB85) |
| YUV | 147.2330, -7.0169, -36.1613 |
| Hunter-Lab | 58.2094, -26.0099, 12.8159 |

Details

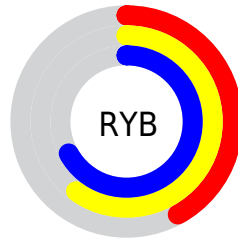
The Yxy color **33.8834, 0.2875, 0.3938** is a dark color, and the websafe version is hex **669966**. A complement of this color would be **20.9749, 0.3506, 0.2725**, and the grayscale version is **29.3146, 0.3127, 0.3290**.

A 20% lighter version of the original color is **65.9569, 0.2933, 0.3806**, and **14.3657, 0.2781, 0.4179** is the 20% darker color. If you saturate the color by 10%, you get **32.6765, 0.2823, 0.4147**, and if you desaturate by 10%, it is **35.3283, 0.2935, 0.3744**.

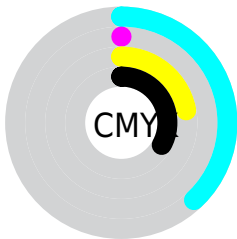
Distribution



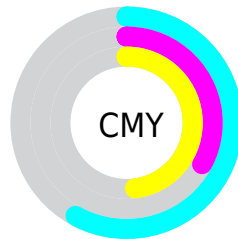
- Red (42%)
- Green (67%)
- Blue (52%)



- Red (42%)
- Yellow (60%)
- Blue (67%)



- Cyan (38%)
- Magenta (0%)
- Yellow (22%)
- Black (33%)





- Cyan (58%)
- Magenta (33%)
- Yellow (48%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 33.8834, 0.2875, 0.3938 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 33.8834, 0.2875, 0.3938 by changing the saturation by 10% instead.


 33.8834, 0.2875,
0.3938


 33.8834, 0.2875,
0.3938

319.6118, 0.3014,
0.3583


 22.8040, 0.2835,
0.4038


 65.7523, 0.2929,
0.3801


 14.4489, 0.2780,
0.4175


 87.3106, 0.2949,
0.3752

 8.4335, 0.2701,
0.4372


 113.1308, 0.2964,
0.3711

 4.3736, 0.2575,
0.4680

 143.5970, 0.2978,
0.3677

 1.8847, 0.2352,
0.5224

179.0939, 0.2989,
0.3649

 0.5391, 0.0000,
1.0000

220.0057, 0.2999,

 0.0000, 0.0000,

0.3624

0.0000

266.7169, 0.3007,
0.3602

■ 33.8834, 0.2875,
0.3938

■ 33.8834, 0.2875,
0.3938

■ 32.6765, 0.2823,
0.4147

■ 35.3283, 0.2935,
0.3744

■ 31.6902, 0.2784,
0.4367

■ 37.0192, 0.3001,
0.3566

■ 30.9113, 0.2759,
0.4593


■ 38.9687, 0.3071,
0.3406

■ 30.3234, 0.2752,
0.4818


■ 41.1874, 0.3141,
0.3263


■ 29.9074, 0.2764,
0.5033

■ 43.6854, 0.3211,
0.3137


 29.6320, 0.2792,
0.5232

 46.4721, 0.3279,
0.3026

 29.5845, 0.2797,
0.5270

 49.5565, 0.3345,
0.2928

 52.9472, 0.3408,
0.2843

 55.7150, 0.3426,
0.2762

Harmonies

Analogous

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



33.8834, 0.3366, 0.4184



33.8834, 0.2875, 0.3938



33.8834, 0.2473, 0.3472

Triad

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



33.8834, 0.2875, 0.3938



33.8834, 0.2444, 0.2500



33.8834, 0.4091, 0.3467

Complementary

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



33.8834, 0.2875, 0.3938



20.9749, 0.3506, 0.2725

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.



33.8834, 0.3805, 0.3077



33.8834, 0.2875, 0.3938



33.8834, 0.2830, 0.2542

Square

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



33.8834, 0.2875, 0.3938



33.8834, 0.2242, 0.2647



33.8834, 0.3330, 0.2749



33.8834, 0.4088, 0.3849

Rectangle

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



33.8834, 0.2875, 0.3938



33.8834, 0.2301, 0.3140



33.8834, 0.3330, 0.2749



33.8834, 0.4025, 0.3334

Sweetspot

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



33.8848, 0.2875, 0.3938



68.6272, 0.3049, 0.3455



36.1885, 0.3428, 0.4302



15.2006, 0.3039, 0.3475



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.



33.8848, 0.2875, 0.3938



58.7570, 0.2829, 0.4121



34.8903, 0.2651, 0.3394



8.9925, 0.3062, 0.3426



22.3098, 0.2792, 0.5252



0.6317, 0.2618, 0.4624

Inverse Universe

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



20.9749, 0.3506, 0.2725



32.1639, 0.3630, 0.2597



20.1420, 0.3947, 0.3193



8.0909, 0.3199, 0.3158



7.2307, 0.4576, 0.2295



0.2117, 0.4062, 0.2011

Previews

White Background



This preview shows how the Yxy color 33.8834, 0.2875, 0.3938 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 33.8834, 0.2875, 0.3938 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 33.8834, 0.2875, 0.3938

Background



This preview shows how black text looks on a background with the Yxy color 33.8834, 0.2875, 0.3938.



This preview shows how white text looks on a background with the Yxy color 33.8834, 0.2875, 0.3938.

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

33.8834, 0.2875, 0.3938

Protanopia

33.3903, 0.3514, 0.3739

Deuteranopia

33.5231, 0.3558, 0.3491



Tritanopia

33.8376, 0.2616, 0.3085

Trichromacy



Original Color

33.8834, 0.2875, 0.3938

Protanomaly

33.0040, 0.3247, 0.3799

Deuteranomaly

32.9067, 0.3269, 0.3632

Tritanomaly

33.6908, 0.2703, 0.3370

Monochromacy



Original Color

33.8834, 0.2875, 0.3938

Achromatopsia

29.1771, 0.3127, 0.3290

Achromatomaly

30.6355, 0.3020, 0.3520

CSS Examples

Text

The CSS property to change the color of the text to Yxy 33.8834, 0.2875, 0.3938 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(106, 171, 133)` looks like.

```
.text, #text, p{  
    color:rgb(106, 171, 133)  
}
```

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(106, 171, 133) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(106, 171, 133) }
```

Border

The CSS property to change the border of an element to Yxy 33.8834, 0.2875, 0.3938 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(106, 171, 133) }
```

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

```
.border{ border-color:rgb(106, 171, 133) }
```

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

Here you see how a box with a 4 pixel `rgb(106, 171, 133)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(106, 171, 133); -webkit-box-  
shadow:4px 4px 4px 4px rgb(106, 171, 133);  
box-shadow:4px 4px 4px 4px rgb(106, 171,  
133) }
```


Background

The CSS property to change the background color of an element to Yxy 33.8834, 0.2875, 0.3938 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(106, 171, 133) }
```

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

```
.background{ background-color: rgb(106,  
171, 133) }
```

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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