

Converting Colors

$Yxy(33.5372, 0.2804, 0.3854)$

Have a look what the booklet for
Yxy(33.5372, 0.2804, 0.3854)
contains.

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Color

Yxy(33.7275, 0.2802, 0.3854)

Conversions

Conversions Part 1

Format	Color
Hex	65AB8A
RGB	101, 171, 138
RGB Percent	40%, 67%, 54%
CMY	0.6037, 0.3294, 0.4588
CMYK	0.41, 0.00, 0.19, 0.33
HSL	152°, 29%, 53%
HSV	152°, 41%, 67%
XYZ	24.5211, 33.7275, 29.2643
YIQ	146.3080, -31.1270, -25.1030

Conversions

Conversions Part 2

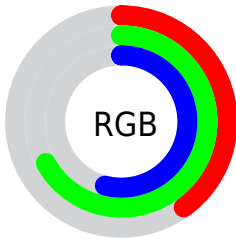
Format	Color
RYB	101, 147, 171
Decimal	6663050
CIELab	64.75, -29.74, 10.15
CIElCh	65, 31.425, 161.161
Yxy	33.7275, 0.2802, 0.3854
Android (android.graphics.Color)	4284853130 (0xFF65AB8A)
YUV	146.3080, -4.0958, -39.7351
Hunter-Lab	58.0754, -26.2640, 10.7764

Details

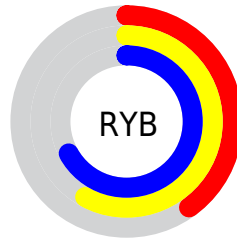
The Yxy color **33.7275, 0.2802, 0.3854** is a dark color, and the websafe version is hex **669966**. A complement of this color would be **19.6960, 0.3655, 0.2795**, and the grayscale version is **28.9091, 0.3127, 0.3290**.

A 20% lighter version of the original color is **65.6683, 0.2873, 0.3745**, and **14.2898, 0.2684, 0.4055** is the 20% darker color. If you saturate the color by 10%, you get **32.6168, 0.2743, 0.4023**, and if you desaturate by 10%, it is **35.0636, 0.2872, 0.3696**.

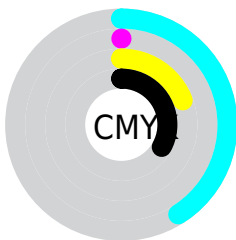
Distribution



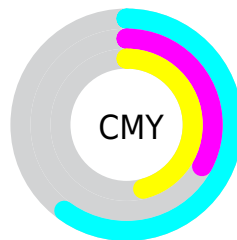
- Red (40%)
- Green (67%)
- Blue (54%)



- Red (40%)
- Yellow (58%)
- Blue (67%)



- Cyan (41%)
- Magenta (0%)
- Yellow (19%)
- Black (33%)



- Cyan (60%)
- Magenta (33%)
- Yellow (46%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 33.7275, 0.2802, 0.3854 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 33.7275, 0.2802, 0.3854 by changing the saturation by 10% instead.

 33.7275, 0.2802,
0.3854


 33.7275, 0.2802,
0.3854


318.9153, 0.2978,
0.3546

 22.6843, 0.2753,
0.3941


 65.5097, 0.2870,
0.3735


 14.3606, 0.2687,
0.4058


 87.0175, 0.2894,
0.3693

 8.3719, 0.2592,
0.4228


 112.7823, 0.2914,
0.3658

 4.3338, 0.2447,
0.4491

 143.1885, 0.2931,
0.3628

 1.8620, 0.2196,
0.4953

178.6205, 0.2945,
0.3603

 0.5254, 0.0000,
1.0000

219.4627, 0.2958,

 0.0000, 0.0000,

0.3582

0.0000

266.0995, 0.2969,
0.3563

■ 33.7275, 0.2802,
0.3854

■ 33.7275, 0.2802,
0.3854

■ 32.6168, 0.2743,
0.4023

■ 35.0636, 0.2872,
0.3696

■ 31.7143, 0.2698,
0.4200

■ 36.6332, 0.2950,
0.3551

■ 31.0067, 0.2670,
0.4382


■ 38.4488, 0.3033,
0.3419

■ 30.4773, 0.2661,
0.4565


■ 40.5209, 0.3119,
0.3300

■ 30.1065, 0.2672,
0.4744


■ 42.8593, 0.3206,
0.3194

 29.8686, 0.2695,
0.4901

 45.4733, 0.3292,
0.3101

 48.3719, 0.3375,
0.3018

 51.5633, 0.3456,
0.2946

 55.0559, 0.3534,
0.2883

Harmonies

Analogous

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



33.7275, 0.3277, 0.4143



33.7275, 0.2802, 0.3854



33.7275, 0.2433, 0.3381

Triad

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



33.7275, 0.2802, 0.3854



33.7275, 0.2512, 0.2509



33.7275, 0.4091, 0.3534

Complementary

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



33.7275, 0.2802, 0.3854



19.6960, 0.3655, 0.2795

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.



33.7275, 0.3858, 0.3146



33.7275, 0.2802, 0.3854



33.7275, 0.2918, 0.2581

Square

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



33.7275, 0.2802, 0.3854



33.7275, 0.2279, 0.2620



33.7275, 0.3414, 0.2809



33.7275, 0.4038, 0.3898

Rectangle

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



33.7275, 0.2802, 0.3854



33.7275, 0.2288, 0.3064



33.7275, 0.3414, 0.2809



33.7275, 0.4044, 0.3403

Sweetspot

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



33.7289, 0.2802, 0.3854



68.4135, 0.3022, 0.3435



35.2037, 0.3369, 0.4412



15.1617, 0.3012, 0.3451



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.



33.7289, 0.2802, 0.3854



58.6075, 0.2748, 0.4005



34.3953, 0.2573, 0.3270



9.0074, 0.3047, 0.3399



22.5283, 0.2690, 0.4884



0.6377, 0.2542, 0.4351

Inverse Universe

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



19.6960, 0.3655, 0.2795



30.0434, 0.3828, 0.2691



19.1424, 0.4137, 0.3311



8.0759, 0.3215, 0.3184



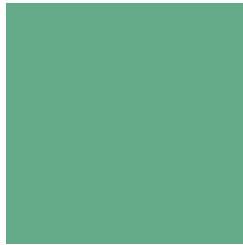
6.9812, 0.5044, 0.2552



0.2053, 0.4350, 0.2170

Previews

White Background



This preview shows how the Yxy color 33.7275, 0.2802, 0.3854 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 33.7275, 0.2802, 0.3854 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

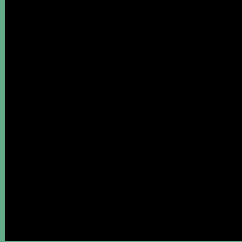
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 33.7275, 0.2802, 0.3854

Background



This preview shows how black text looks on a background with the Yxy color 33.7275, 0.2802, 0.3854.



This preview shows how white text looks on a background with the Yxy color 33.7275, 0.2802, 0.3854.

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

33.7275, 0.2802, 0.3854

Protanopia

33.3880, 0.3465, 0.3680

Deuteranopia

33.3163, 0.3475, 0.3420



Tritanopia

33.5444, 0.2575, 0.3068

Trichromacy



Original Color

33.7275, 0.2802, 0.3854

Protanomaly

32.9340, 0.3192, 0.3737

Deuteranomaly

32.7664, 0.3193, 0.3555

Tritanomaly

33.4436, 0.2653, 0.3338

Monochromacy



Original Color

33.7275, 0.2802, 0.3854

Achromatopsia

28.7441, 0.3127, 0.3290

Achromatomaly

30.1717, 0.2992, 0.3488

CSS Examples

Text

The CSS property to change the color of the text to Yxy 33.7275, 0.2802, 0.3854 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(101, 171, 138)` looks like.

```
.text, #text, p{  
    color:rgb(101, 171, 138)  
}
```

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(101, 171, 138) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(101, 171, 138) }
```

Border

The CSS property to change the border of an element to Yxy 33.7275, 0.2802, 0.3854 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(101, 171, 138) }
```

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

```
.border{ border-color:rgb(101, 171, 138) }
```

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

Here you see how a box with a 4 pixel `rgb(101, 171, 138)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(101, 171, 138); -webkit-box-  
shadow:4px 4px 4px 4px rgb(101, 171, 138);  
box-shadow:4px 4px 4px 4px rgb(101, 171,  
138) }
```


Background

The CSS property to change the background color of an element to Yxy 33.7275, 0.2802, 0.3854 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(101, 171, 138) }
```

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

```
.background{ background-color: rgb(101,  
171, 138) }
```

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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