

Converting Colors

$Yxy(33.4728, 0.2867, 0.3653)$

Have a look what the booklet for
Yxy(33.4728, 0.2867, 0.3653)
contains.

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Color

Yxy(33.4637, 0.2868, 0.3654)

Conversions

Conversions Part 1

Format	Color
Hex	75A791
RGB	117, 167, 145
RGB Percent	46%, 65%, 57%
CMY	0.5411, 0.3451, 0.4315
CMYK	0.30, 0.00, 0.13, 0.35
HSL	154°, 22%, 56%
HSV	154°, 30%, 65%
XYZ	26.2654, 33.4637, 31.8519
YIQ	149.5420, -22.7380, -17.4420

Conversions

Conversions Part 2

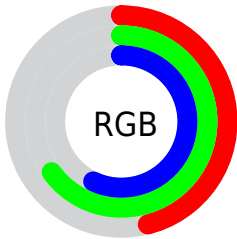
Format	Color
RYB	117, 149, 167
Decimal	7710609
CIELab	64.53, -21.46, 6.09
CIElCh	65, 22.303, 164.163
Yxy	33.4637, 0.2868, 0.3654
Android (android.graphics.Color)	4285900689 (0xFF75A791)
YUV	149.5420, -2.2392, -28.5393
Hunter-Lab	57.8478, -20.1869, 7.8475

Details

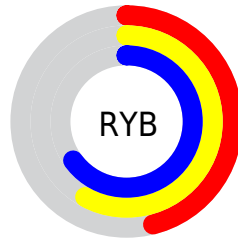
The Yxy color **33.4637, 0.2868, 0.3654** is a dark color, and the websafe version is hex **669999**. A complement of this color would be **22.8075, 0.3493, 0.2955**, and the grayscale version is **30.3133, 0.3127, 0.3290**.

A 20% lighter version of the original color is **64.9121, 0.2918, 0.3573**, and **14.2810, 0.2779, 0.3776** is the 20% darker color. If you saturate the color by 10%, you get **32.1897, 0.2794, 0.3799**, and if you desaturate by 10%, it is **34.9615, 0.2950, 0.3520**.

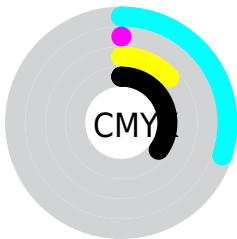
Distribution



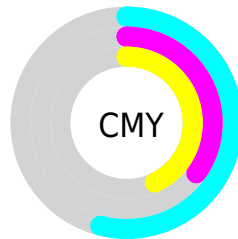
- Red (46%)
- Green (65%)
- Blue (57%)



- Red (46%)
- Yellow (58%)
- Blue (65%)



- Cyan (30%)
- Magenta (0%)
- Yellow (13%)
- Black (35%)





- Cyan (54%)
- Magenta (35%)
- Yellow (43%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 33.4637, 0.2868, 0.3654 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 33.4637, 0.2868, 0.3654 by changing the saturation by 10% instead.


 33.4637, 0.2868,
0.3654


 33.4637, 0.2868,
0.3654


317.7340, 0.3007,
0.3458


 22.4819, 0.2830,
0.3709


 65.0988, 0.2921,
0.3579

 14.2114, 0.2779,
0.3782


 86.5209, 0.2940,
0.3552

 8.2679, 0.2707,
0.3887


 112.1919, 0.2956,
0.3529

 4.2668, 0.2597,
0.4049

142.4962, 0.2969,
0.3510

 1.8239, 0.2412,
0.4328

177.8181, 0.2981,
0.3494

 0.5020, 0.0000,
0.8057

218.5422, 0.2991,

 0.0000, 0.0000,

0.3480

0.0000

265.0527, 0.2999,
0.3468

■ 33.4637, 0.2868,
0.3654

■ 33.4637, 0.2868,
0.3654

■ 32.1897, 0.2794,
0.3799

■ 34.9615, 0.2950,
0.3520

■ 31.1242, 0.2730,
0.3955

■ 36.6895, 0.3038,
0.3399

■ 30.2563, 0.2681,
0.4119

■ 38.6587, 0.3128,
0.3289

■ 29.5723, 0.2649,
0.4288

■ 40.8784, 0.3219,
0.3192

■ 29.0569, 0.2636,
0.4458

■ 43.3573, 0.3309,
0.3105

■ 28.6920, 0.2642,
0.4626

■ 46.1035, 0.3397,
0.3029

■ 28.4377, 0.2664,
0.4790

■ 49.1250, 0.3482,
0.2962

■ 28.4361, 0.2664,
0.4791

■ 52.4295, 0.3564,
0.2904

■ 53.6123, 0.3536,
0.2836

Harmonies

Analogous

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



33.4637, 0.3208, 0.3872



33.4637, 0.2868, 0.3654



33.4637, 0.2607, 0.3327

Triad

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



33.4637, 0.2868, 0.3654



33.4637, 0.2709, 0.2720



33.4637, 0.3817, 0.3508

Complementary

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



33.4637, 0.2868, 0.3654



22.8075, 0.3493, 0.2955

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.



33.4637, 0.3670, 0.3221



33.4637, 0.2868, 0.3654



33.4637, 0.3016, 0.2782

Square

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



33.4637, 0.2868, 0.3654



33.4637, 0.2520, 0.2796



33.4637, 0.3370, 0.2962



33.4637, 0.3765, 0.3760

Rectangle

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



33.4637, 0.2868, 0.3654



33.4637, 0.2507, 0.3108



33.4637, 0.3370, 0.2962



33.4637, 0.3789, 0.3413

Sweetspot

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



33.4651, 0.2868, 0.3654



65.9616, 0.3045, 0.3390



34.4562, 0.3296, 0.4090



14.6566, 0.3032, 0.3406



84.8088, 0.3127, 0.3290



15.4872, 0.3127, 0.3290

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



33.4651, 0.2868, 0.3654



58.3542, 0.2817, 0.3750



33.3047, 0.2700, 0.3249



8.4754, 0.3043, 0.3391



21.7687, 0.2660, 0.4776



0.5397, 0.2508, 0.4229

Inverse Universe

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



22.8075, 0.3493, 0.2955



36.1190, 0.3606, 0.2876



22.8172, 0.3767, 0.3331



7.5952, 0.3220, 0.3191



6.6703, 0.5169, 0.2621



0.1727, 0.4369, 0.2180

Previews

White Background



This preview shows how the Yxy color 33.4637, 0.2868, 0.3654 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 33.4637, 0.2868, 0.3654 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

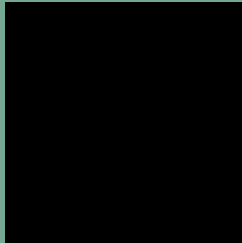
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 33.4637, 0.2868, 0.3654

Background



This preview shows how black text looks on a background with the Yxy color 33.4637, 0.2868, 0.3654.



This preview shows how white text looks on a background with the Yxy color 33.4637, 0.2868, 0.3654.

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

33.4637, 0.2868, 0.3654

Protanopia

33.0933, 0.3359, 0.3531

Deuteranopia

33.2700, 0.3394, 0.3334



Tritanopia

33.5399, 0.2678, 0.3087

Trichromacy



Original Color

33.4637, 0.2868, 0.3654

Protanomaly

32.8304, 0.3162, 0.3573

Deuteranomaly

32.9928, 0.3179, 0.3443

Tritanomaly

33.3325, 0.2745, 0.3273

Monochromacy



Original Color

33.4637, 0.2868, 0.3654

Achromatopsia

30.4987, 0.3127, 0.3290

Achromatomaly

31.3183, 0.3025, 0.3418

CSS Examples

Text

The CSS property to change the color of the text to Yxy 33.4637, 0.2868, 0.3654 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(117, 167, 145)` looks like.

```
.text, #text, p{  
    color:rgb(117, 167, 145)  
}
```

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(117, 167, 145) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(117, 167, 145) }
```

Border

The CSS property to change the border of an element to Yxy 33.4637, 0.2868, 0.3654 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(117, 167, 145) }
```

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

```
.border{ border-color:rgb(117, 167, 145) }
```

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

Here you see how a box with a 4 pixel `rgb(117, 167, 145)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(117, 167, 145); -webkit-box-  
shadow:4px 4px 4px 4px rgb(117, 167, 145);  
box-shadow:4px 4px 4px 4px rgb(117, 167,  
145) }
```


Background

The CSS property to change the background color of an element to Yxy 33.4637, 0.2868, 0.3654 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(117, 167, 145) }
```

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

```
.background{ background-color: rgb(117,  
167, 145) }
```

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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