

Converting Colors

$Yxy(33.6844, 0.2974, 0.4359)$

Have a look what the booklet for
Yxy(33.6844, 0.2974, 0.4359)
contains.

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Color

Yxy(33.7096, 0.2975, 0.4358)

Conversions

Conversions Part 1

Format	Color
Hex	63AD70
RGB	99, 173, 112
RGB Percent	39%, 68%, 44%
CMY	0.6119, 0.3215, 0.5607
CMYK	0.43, 0.00, 0.35, 0.32
HSL	131°, 31%, 53%
HSV	131°, 43%, 68%
XYZ	23.0119, 33.7096, 20.6295
YIQ	143.9200, -24.5230, -34.6590

Conversions

Conversions Part 2

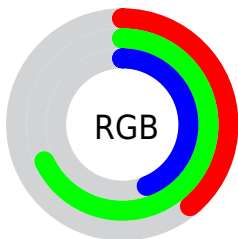
Format	Color
RYB	99, 162, 173
Decimal	6532464
CIELab	64.73, -36.35, 24.32
CIELCh	65, 43.735, 146.212
Yxy	33.7096, 0.2975, 0.4358
Android (android.graphics.Color)	4284722544 (0xFF63AD70)
YUV	143.9200, -15.7366, -39.3948
Hunter-Lab	58.0600, -30.8568, 19.5754

Details

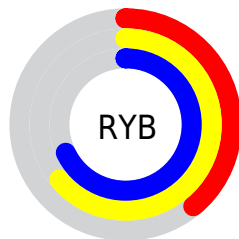
The Yxy color **33.7096, 0.2975, 0.4358** is a dark color, and the websafe version is hex **669966**. A complement of this color would be **20.3386, 0.3335, 0.2420**, and the grayscale version is **27.9262, 0.3127, 0.3290**.

A 20% lighter version of the original color is **65.4913, 0.3018, 0.4130**, and **14.3497, 0.2893, 0.4774** is the 20% darker color. If you saturate the color by 10%, you get **32.5463, 0.2948, 0.4661**, and if you desaturate by 10%, it is **35.1346, 0.3007, 0.4069**.

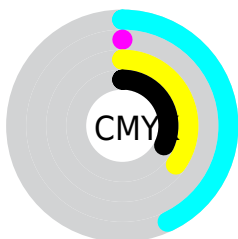
Distribution



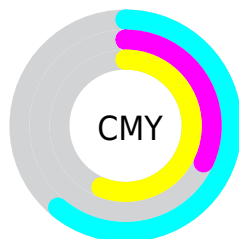
- Red (39%)
- Green (68%)
- Blue (44%)



- Red (39%)
- Yellow (64%)
- Blue (68%)



- Cyan (43%)
- Magenta (0%)
- Yellow (35%)
- Black (32%)





- Cyan (61%)
- Magenta (32%)
- Yellow (56%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 33.7096, 0.2975, 0.4358 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 33.7096, 0.2975, 0.4358 by changing the saturation by 10% instead.


 33.7096, 0.2975,
0.4358


 33.7096, 0.2975,
0.4358


318.8352, 0.3073,
0.3764

 22.6706, 0.2941,
0.4529


 65.4818, 0.3017,
0.4126


 14.3505, 0.2891,
0.4763


 86.9838, 0.3031,
0.4044

 8.3648, 0.2810,
0.5100

 112.7423, 0.3041,
0.3976

 4.3293, 0.2665,
0.5624

 143.1416, 0.3050,
0.3920

 1.8594, 0.2552,
0.7159

178.5661, 0.3057,
0.3872

 0.5238, 0.0000,
1.0000

219.4003, 0.3063,

 0.0000, 0.0000,

0.3831

0.0000

266.0286, 0.3068,
0.3795

■ 33.7096, 0.2975,
0.4358

■ 33.7096, 0.2975,
0.4358

■ 32.5463, 0.2948,
0.4661

■ 35.1346, 0.3007,
0.4069

■ 31.6248, 0.2930,
0.4965

■ 36.8317, 0.3043,
0.3802

■ 30.9288, 0.2922,
0.5254

■ 38.8155, 0.3080,
0.3560

■ 30.4384, 0.2926,
0.5510

■ 41.0987, 0.3117,
0.3345


■ 30.1299, 0.2941,
0.5717


■ 43.6929, 0.3153,
0.3157

 29.9862, 0.2953,
0.5831

 46.6093, 0.3187,
0.2992

 49.8585, 0.3219,
0.2849

 53.4506, 0.3250,
0.2726

 57.3951, 0.3278,
0.2619

Harmonies

Analogous

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



33.7096, 0.3633, 0.4537



33.7096, 0.2975, 0.4358



33.7096, 0.2392, 0.3762

Triad

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



33.7096, 0.2975, 0.4358



33.7096, 0.2109, 0.2276



33.7096, 0.4358, 0.3328

Complementary

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



33.7096, 0.2975, 0.4358



20.3386, 0.3335, 0.2420

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.



33.7096, 0.3857, 0.2847



33.7096, 0.2975, 0.4358



33.7096, 0.2534, 0.2267

Square

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



33.7096, 0.2975, 0.4358



33.7096, 0.1937, 0.2532



33.7096, 0.3165, 0.2472



33.7096, 0.4471, 0.3841

Rectangle

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



33.7096, 0.2975, 0.4358



33.7096, 0.2120, 0.3281



33.7096, 0.3165, 0.2472



33.7096, 0.4228, 0.3160

Sweetspot

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



33.7110, 0.2975, 0.4358



69.3467, 0.3078, 0.3570



38.3326, 0.3630, 0.4372



14.8962, 0.3070, 0.3620



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.



33.7110, 0.2975, 0.4358



58.4542, 0.2951, 0.4633



34.6891, 0.2718, 0.3704



8.9616, 0.3093, 0.3482



22.0336, 0.2949, 0.5817



0.6197, 0.2810, 0.5315

Inverse Universe

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



20.3386, 0.3335, 0.2420



31.4237, 0.3392, 0.2251



19.2486, 0.3841, 0.2921



8.1235, 0.3163, 0.3105



7.9799, 0.3703, 0.1814



0.2283, 0.3530, 0.1718

Previews

White Background



This preview shows how the Yxy color 33.7096, 0.2975, 0.4358 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 33.7096, 0.2975, 0.4358 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 33.7096, 0.2975, 0.4358

Background



This preview shows how black text looks on a background with the Yxy color 33.7096, 0.2975, 0.4358.



This preview shows how white text looks on a background with the Yxy color 33.7096, 0.2975, 0.4358.

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

33.7096, 0.2975, 0.4358

Protanopia

33.2319, 0.3748, 0.4043

Deuteranopia

33.2874, 0.3823, 0.3755



Tritanopia

33.6353, 0.2595, 0.3084

Trichromacy



Original Color

33.7096, 0.2975, 0.4358

Protanomaly

32.8527, 0.3431, 0.4154

Deuteranomaly

32.4638, 0.3474, 0.3963

Tritanomaly

33.5265, 0.2733, 0.3521

Monochromacy



Original Color

33.7096, 0.2975, 0.4358

Achromatopsia

27.8894, 0.3127, 0.3290

Achromatomaly

29.6978, 0.3070, 0.3678

CSS Examples

Text

The CSS property to change the color of the text to Yxy 33.7096, 0.2975, 0.4358 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(99, 173, 112)` looks like.

```
.text, #text, p{  
  color:rgb(99, 173, 112)  
}
```

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(99, 173, 112) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(99, 173, 112) }
```

Border

The CSS property to change the border of an element to Yxy 33.7096, 0.2975, 0.4358 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(99, 173, 112) }
```

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

```
.border{ border-color:rgb(99, 173, 112) }
```

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

Here you see how a box with a 4 pixel `rgb(99, 173, 112)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(99, 173, 112); -webkit-box-  
shadow:4px 4px 4px 4px rgb(99, 173, 112);  
box-shadow:4px 4px 4px 4px rgb(99, 173,  
112) }
```


Background

The CSS property to change the background color of an element to Yxy 33.7096, 0.2975, 0.4358 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(99, 173, 112) }
```

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

```
.background{ background-color: rgb(99, 173,  
112) }
```

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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