

Converting Colors

$Yxy(33.2161, 0.2861, 0.4443)$

Have a look what the booklet for
Yxy(33.2161, 0.2861, 0.4443)
contains.

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Color

Yxy(33.1472, 0.2864, 0.4448)

Conversions

Conversions Part 1

Format	Color
Hex	51AE6E
RGB	81, 174, 110
RGB Percent	32%, 68%, 43%
CMY	0.6825, 0.3176, 0.5685
CMYK	0.53, 0.00, 0.37, 0.32
HSL	139°, 36%, 50%
HSV	139°, 53%, 68%
XYZ	21.3430, 33.1472, 20.0314
YIQ	138.8970, -34.8840, -39.6200

Conversions

Conversions Part 2

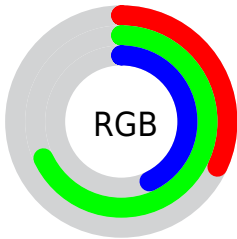
Format	Color
RYB	81, 152, 174
Decimal	5353070
CIELab	64.28, -42.13, 24.66
CIELCh	64, 48.816, 149.651
Yxy	33.1472, 0.2864, 0.4448
Android (android.graphics.Color)	4283543150 (0xFF51AE6E)
YUV	138.8970, -14.2462, -50.7757
Hunter-Lab	57.5736, -34.5825, 19.6729

Details

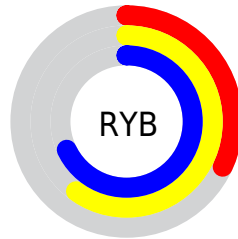
The Yxy color **33.1472, 0.2864, 0.4448** is a dark color, and the websafe version is hex **339966**. A complement of this color would be **16.9229, 0.3586, 0.2380**, and the grayscale version is **25.8416, 0.3127, 0.3290**.

A 20% lighter version of the original color is **64.5206, 0.2932, 0.4192**, and **14.1132, 0.2743, 0.4915** is the 20% darker color. If you saturate the color by 10%, you get **32.2328, 0.2840, 0.4710**, and if you desaturate by 10%, it is **34.2965, 0.2901, 0.4193**.

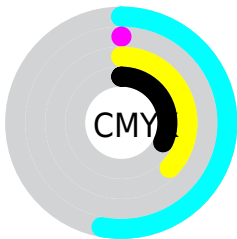
Distribution



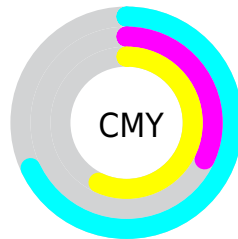
- Red (32%)
- Green (68%)
- Blue (43%)



- Red (32%)
- Yellow (60%)
- Blue (68%)



- Cyan (53%)
- Magenta (0%)
- Yellow (37%)
- Black (32%)




- Cyan (68%)
- Magenta (32%)
- Yellow (57%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 33.1472, 0.2864, 0.4448 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 33.1472, 0.2864, 0.4448 by changing the saturation by 10% instead.


 33.1472, 0.2864,
0.4448


 33.1472, 0.2864,
0.4448

316.3125, 0.3023,
0.3798


 22.2392, 0.2812,
0.4637


 64.6053, 0.2930,
0.4193

 14.0328, 0.2738,
0.4897


 85.9242, 0.2952,
0.4103


 8.1435, 0.2621,
0.5275

 111.4822, 0.2970,
0.4029

 4.1869, 0.2422,
0.5866

 141.6637, 0.2985,
0.3968

 1.7786, 0.2105,
0.7895

 176.8531, 0.2997,
0.3916

 0.4738, 0.0000,
1.0000

217.4347, 0.3007,

 0.0000, 0.0000,

0.3871

0.0000

263.7931, 0.3016,
0.3832

■ 33.1472, 0.2864,
0.4448

■ 33.1472, 0.2864,
0.4448

■ 32.2328, 0.2840,
0.4710

■ 34.2965, 0.2901,
0.4193

■ 31.5323, 0.2830,
0.4970

■ 35.6917, 0.2946,
0.3951

■ 31.0281, 0.2836,
0.5214

■ 37.3478, 0.2997,
0.3729

■ 30.6974, 0.2859,
0.5433

■ 39.2777, 0.3052,
0.3527

■ 30.5437, 0.2877,
0.5559

■ 41.4931, 0.3108,
0.3347

■ 44.0054, 0.3163,
0.3188

■ 46.8249, 0.3218,
0.3049

■ 49.9618, 0.3270,
0.2927

■ 53.4257, 0.3319,
0.2820

Harmonies

Analogous

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



33.1472, 0.3595, 0.4699



33.1472, 0.2864, 0.4448



33.1472, 0.2244, 0.3726

Triad

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



33.1472, 0.2864, 0.4448



33.1472, 0.2042, 0.2154



33.1472, 0.4547, 0.3382

Complementary

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



33.1472, 0.2864, 0.4448



16.9229, 0.3586, 0.2380

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.



33.1472, 0.4025, 0.2851



33.1472, 0.2864, 0.4448



33.1472, 0.2534, 0.2178

Square

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



33.1472, 0.2864, 0.4448



33.1472, 0.1822, 0.2394



33.1472, 0.3254, 0.2426



33.1472, 0.4609, 0.3945

Rectangle

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



33.1472, 0.2864, 0.4448



33.1472, 0.1971, 0.3181



33.1472, 0.3254, 0.2426



33.1472, 0.4419, 0.3198

Sweetspot

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



33.1486, 0.2864, 0.4448



70.2035, 0.3036, 0.3582



36.9875, 0.3611, 0.4688



15.4443, 0.3025, 0.3622



89.0005, 0.3127, 0.3290



17.0645, 0.3127, 0.3290

Same Dimension

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



33.1486, 0.2864, 0.4448



58.2252, 0.2837, 0.4754



34.4022, 0.2565, 0.3605



8.9790, 0.3075, 0.3450



22.1617, 0.2872, 0.5539



0.6265, 0.2693, 0.4896

Inverse Universe

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



16.9229, 0.3586, 0.2380



25.6731, 0.3730, 0.2224



15.7920, 0.4338, 0.3021



8.1048, 0.3183, 0.3135



7.5155, 0.4174, 0.2073



0.2183, 0.3819, 0.1877

Previews

White Background



This preview shows how the Yxy color 33.1472, 0.2864, 0.4448 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 33.1472, 0.2864, 0.4448 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 33.1472, 0.2864, 0.4448

Background



This preview shows how black text looks on a background with the Yxy color 33.1472, 0.2864, 0.4448.



This preview shows how white text looks on a background with the Yxy color 33.1472, 0.2864, 0.4448.

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

33.1472, 0.2864, 0.4448

Protanopia

32.7268, 0.3770, 0.4076

Deuteranopia

32.5080, 0.3832, 0.3744



Tritanopia

33.1798, 0.2499, 0.3080

Trichromacy



Original Color

33.1472, 0.2864, 0.4448



Protanomaly

32.0948, 0.3375, 0.4227



Deuteranomaly

31.4398, 0.3413, 0.3982



Tritanomaly

32.9843, 0.2625, 0.3544

Monochromacy



Original Color

33.1472, 0.2864, 0.4448



Achromatopsia

25.8183, 0.3127, 0.3290



Achromatomaly

27.8665, 0.3010, 0.3712

CSS Examples

Text

The CSS property to change the color of the text to Yxy 33.1472, 0.2864, 0.4448 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(81, 174, 110)` looks like.

```
.text, #text, p{  
    color:rgb(81, 174, 110)  
}
```

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(81, 174, 110) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(81, 174, 110) }
```

Border

The CSS property to change the border of an element to Yxy 33.1472, 0.2864, 0.4448 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(81, 174, 110) }
```

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

```
.border{ border-color:rgb(81, 174, 110) }
```

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

Here you see how a box with a 4 pixel `rgb(81, 174, 110)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(81, 174, 110); -webkit-box-  
shadow:4px 4px 4px 4px rgb(81, 174, 110);  
box-shadow:4px 4px 4px 4px rgb(81, 174,  
110) }
```


Background

The CSS property to change the background color of an element to Yxy 33.1472, 0.2864, 0.4448 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(81, 174, 110) }
```

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

```
.background{ background-color: rgb(81, 174,  
110) }
```

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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