

Converting Colors

Yxy(32.3658, 0.2910, 0.4650)

Have a look what the booklet for
Yxy(32.3658, 0.2910, 0.4650)
contains.

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Color

Yxy(32.3658, 0.2910, 0.4650)

Conversions

Conversions Part 1

Format	Color
Hex	4DAD63
RGB	77, 173, 99
RGB Percent	30%, 68%, 39%
CMY	0.6981, 0.3215, 0.6118
CMYK	0.56, 0.00, 0.43, 0.32
HSL	134°, 38%, 49%
HSV	134°, 56%, 68%
XYZ	20.2547, 32.3658, 16.9833
YIQ	135.8600, -33.4620, -43.3660

Conversions

Conversions Part 2

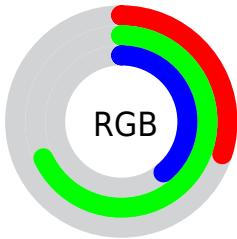
Format	Color
RYB	77, 155, 173
Decimal	5090659
CIELab	63.64, -44.64, 29.66
CIELCh	64, 53.595, 146.401
Yxy	32.3658, 0.2910, 0.4650
Android (android.graphics.Color)	4283280739 (0xFF4DAD63)
YUV	135.8600, -18.1720, -51.6202
Hunter-Lab	56.8909, -36.0083, 22.1241

Details

The Yxy color **32.3658, 0.2910, 0.4650** is a dark color, and the websafe version is hex **339966**. A complement of this color would be **16.4233, 0.3490, 0.2250**, and the grayscale version is **24.6424, 0.3127, 0.3290**.

A 20% lighter version of the original color is **63.2595, 0.2969, 0.4340**, and **13.6849, 0.2779, 0.5182** is the 20% darker color. If you saturate the color by 10%, you get **31.5066, 0.2892, 0.4938**, and if you desaturate by 10%, it is **33.4611, 0.2938, 0.4363**.

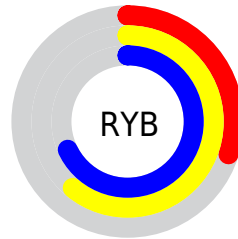
Distribution



Red (30%)

Green (68%)

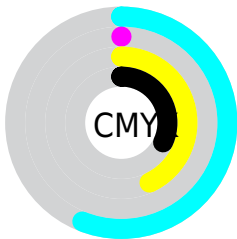
Blue (39%)



Red (30%)

Yellow (61%)

Blue (68%)

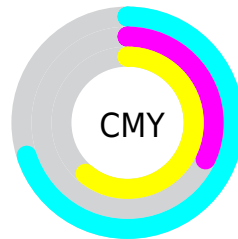


Cyan (56%)

Magenta (0%)

Yellow (43%)

Black (32%)



Cyan (70%)


Magenta (32%)


Yellow (61%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 32.3658, 0.2910, 0.4650 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 32.3658, 0.2910, 0.4650 by changing the saturation by 10% instead.


 32.3658, 0.2910,
0.4650


 32.3658, 0.2910,
0.4650


312.7822, 0.3053,
0.3881

 21.6411, 0.2859,
0.4875


 63.3841, 0.2973,
0.4347

 13.5934, 0.2781,
0.5185


 84.4465, 0.2993,
0.4240


 7.8384, 0.2654,
0.5634


 109.7235, 0.3008,
0.4153

 3.9917, 0.2429,
0.6338

 139.5995, 0.3021,
0.4080

 1.6689, 0.1717,
0.8283

 174.4591, 0.3031,
0.4019

 0.4034, 0.0000,
1.0000

214.6864, 0.3040,

 0.0000, 0.0000,

0.3966

0.0000

260.6660, 0.3047,
0.3921

■ 32.3658, 0.2910,
0.4650

■ 32.3658, 0.2910,
0.4650

■ 31.5066, 0.2892,
0.4938

■ 33.4611, 0.2938,
0.4363

■ 30.8619, 0.2888,
0.5213

■ 34.8043, 0.2974,
0.4088

■ 30.4129, 0.2897,
0.5459

■ 36.4112, 0.3015,
0.3833

■ 30.1343, 0.2918,
0.5663

■ 38.2948, 0.3058,
0.3601

■ 30.0405, 0.2928,
0.5740

■ 40.4677, 0.3103,
0.3394

■ 42.9413, 0.3147,
0.3211

■ 45.7267, 0.3189,
0.3050

■ 48.8343, 0.3230,
0.2911

■ 52.2740, 0.3268,
0.2790

Harmonies

Analogous

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



32.3658, 0.3708, 0.4841



32.3658, 0.2910, 0.4650



32.3658, 0.2214, 0.3872

Triad

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



32.3658, 0.2910, 0.4650



32.3658, 0.1905, 0.2064



32.3658, 0.4657, 0.3309

Complementary

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



32.3658, 0.2910, 0.4650



16.4233, 0.3490, 0.2250

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.



32.3658, 0.4034, 0.2748



32.3658, 0.2910, 0.4650



32.3658, 0.2402, 0.2067

Square

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



32.3658, 0.2910, 0.4650



32.3658, 0.1702, 0.2348



32.3658, 0.3168, 0.2310



32.3658, 0.4773, 0.3916

Rectangle

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



32.3658, 0.2910, 0.4650



32.3658, 0.1900, 0.3253



32.3658, 0.3168, 0.2310



32.3658, 0.4498, 0.3114

Sweetspot

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



32.3671, 0.2910, 0.4650



67.9374, 0.3051, 0.3641



37.1197, 0.3704, 0.4697



14.6187, 0.3042, 0.3684



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.



32.3671, 0.2910, 0.4650



56.0785, 0.2890, 0.5013



33.5353, 0.2602, 0.3765



8.9683, 0.3086, 0.3470



22.0750, 0.2923, 0.5724



0.6223, 0.2762, 0.5142

Inverse Universe

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



16.4233, 0.3490, 0.2250



24.5300, 0.3601, 0.2074



15.1927, 0.4267, 0.2895



8.1162, 0.3171, 0.3117



7.7865, 0.3878, 0.1910



0.2242, 0.3638, 0.1778

Previews

White Background



This preview shows how the Yxy color 32.3658, 0.2910, 0.4650 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 32.3658, 0.2910, 0.4650 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 32.3658, 0.2910, 0.4650

Background



This preview shows how black text looks on a background with the Yxy color 32.3658, 0.2910, 0.4650.



This preview shows how white text looks on a background with the Yxy color 32.3658, 0.2910, 0.4650.

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

32.3658, 0.2910, 0.4650

Protanopia

31.8626, 0.3883, 0.4204

Deuteranopia

31.9546, 0.3951, 0.3883



Tritanopia

32.2666, 0.2493, 0.3077

Trichromacy



Original Color

32.3658, 0.2910, 0.4650



Protanomaly

31.1007, 0.3463, 0.4382



Deuteranomaly

30.6855, 0.3496, 0.4151



Tritanomaly

31.9810, 0.2642, 0.3601

Monochromacy



Original Color

32.3658, 0.2910, 0.4650



Achromatopsia

24.6201, 0.3127, 0.3290



Achromatomaly

26.5698, 0.3026, 0.3758

CSS Examples

Text

The CSS property to change the color of the text to Yxy 32.3658, 0.2910, 0.4650 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(77, 173, 99)` looks like.

```
.text, #text, p{  
    color:rgb(77, 173, 99)  
}
```

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(77, 173, 99) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(77, 173, 99) }
```

Border

The CSS property to change the border of an element to Yxy 32.3658, 0.2910, 0.4650 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(77, 173, 99) }
```

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

```
.border{ border-color:rgb(77, 173, 99) }
```

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

Here you see how a box with a 4 pixel `rgb(77, 173, 99)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(77, 173, 99); -webkit-box-  
shadow:4px 4px 4px 4px rgb(77, 173, 99);  
box-shadow:4px 4px 4px 4px rgb(77, 173,  
99) }
```


Background

The CSS property to change the background color of an element to Yxy 32.3658, 0.2910, 0.4650 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(77, 173, 99) }
```

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

```
.background{ background-color: rgb(77, 173,  
99) }
```

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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