

Converting Colors

Yxy(31.5502, 0.2935, 0.4824)

Have a look what the booklet for
Yxy(31.5502, 0.2935, 0.4824)
contains.

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Color

Yxy(31.6210, 0.2935, 0.4816)

Conversions

Conversions Part 1

Format	Color
Hex	48AC5A
RGB	72, 172, 90
RGB Percent	28%, 67%, 35%
CMY	0.7177, 0.3255, 0.6469
CMYK	0.58, 0.00, 0.48, 0.33
HSL	131°, 41%, 48%
HSV	131°, 58%, 67%
XYZ	19.2707, 31.6210, 14.7665
YIQ	132.7520, -33.2780, -46.7020

Conversions

Conversions Part 2

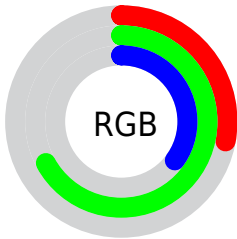
Format	Color
RYB	72, 157, 172
Decimal	4762714
CIELab	63.03, -46.90, 33.50
CIElCh	63, 57.640, 144.464
Yxy	31.6210, 0.2935, 0.4816
Android (android.graphics.Color)	4282952794 (0xFF48AC5A)
YUV	132.7520, -21.0767, -53.2795
Hunter-Lab	56.2326, -37.2357, 23.7934

Details

The Yxy color **31.6210, 0.2935, 0.4816** is a dark color, and the websafe version is hex **339933**. A complement of this color would be **15.7361, 0.3439, 0.2151**, and the grayscale version is **23.4480, 0.3127, 0.3290**.

A 20% lighter version of the original color is **62.0770, 0.3000, 0.4477**, and **13.3537, 0.2838, 0.5416** is the 20% darker color. If you saturate the color by 10%, you get **30.8335, 0.2922, 0.5113**, and if you desaturate by 10%, it is **32.6416, 0.2958, 0.4512**.

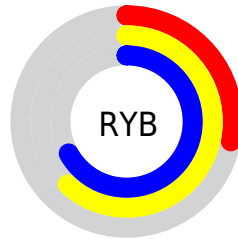
Distribution



Red (28%)

Green (67%)

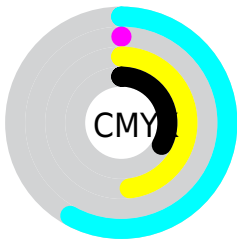
Blue (35%)



Red (28%)

Yellow (62%)

Blue (67%)

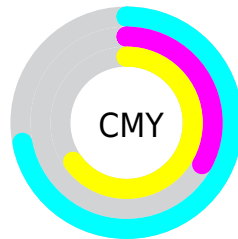


Cyan (58%)

Magenta (0%)

Yellow (48%)

Black (33%)



Cyan (72%)


Magenta (33%)


Yellow (65%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 31.6210, 0.2935, 0.4816 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 31.6210, 0.2935, 0.4816 by changing the saturation by 10% instead.

 31.6210, 0.2935,
0.4816


 31.6210, 0.2935,
0.4816


309.3891, 0.3073,
0.3947

 21.0722, 0.2881,
0.5071


 62.2165, 0.2998,
0.4473

 13.1768, 0.2796,
0.5422


 83.0319, 0.3018,
0.4352


 7.5504, 0.2653,
0.5927


 108.0383, 0.3033,
0.4254

 3.8086, 0.2425,
0.6801

 137.6201, 0.3044,
0.4172

 1.5671, 0.1260,
0.8740

 172.1617, 0.3054,
0.4103

 0.3353, 0.0000,
1.0000

212.0475, 0.3061,

 0.0000, 0.0000,

0.4043

0.0000

257.6618, 0.3068,
0.3992

■ 31.6210, 0.2935,
0.4816

■ 31.6210, 0.2935,
0.4816

■ 30.8335, 0.2922,
0.5113

■ 32.6416, 0.2958,
0.4512

■ 30.2566, 0.2920,
0.5387

■ 33.9078, 0.2988,
0.4216

■ 29.8704, 0.2930,
0.5619

■ 35.4357, 0.3022,
0.3938

■ 29.6403, 0.2949,
0.5797

■ 37.2391, 0.3059,
0.3684

■ 29.6054, 0.2951,
0.5825

■ 39.3307, 0.3097,
0.3456

■ 41.7224, 0.3134,
0.3255

■ 44.4256, 0.3170,
0.3078

■ 47.4508, 0.3204,
0.2925

■ 50.8084, 0.3236,
0.2792

Harmonies

Analogous

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



31.6210, 0.3788, 0.4957



31.6210, 0.2935, 0.4816



31.6210, 0.2180, 0.3988

Triad

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



31.6210, 0.2935, 0.4816



31.6210, 0.1799, 0.1988



31.6210, 0.4755, 0.3255

Complementary

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



31.6210, 0.2935, 0.4816



15.7361, 0.3439, 0.2151

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.



31.6210, 0.4050, 0.2671



31.6210, 0.2935, 0.4816



31.6210, 0.2303, 0.1977

Square

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



31.6210, 0.2935, 0.4816



31.6210, 0.1605, 0.2303



31.6210, 0.3107, 0.2220



31.6210, 0.4907, 0.3896

Rectangle

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



31.6210, 0.2935, 0.4816



31.6210, 0.1835, 0.3303



31.6210, 0.3107, 0.2220



31.6210, 0.4572, 0.3051

Sweetspot

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



31.6223, 0.2935, 0.4816



67.8535, 0.3062, 0.3664



36.9758, 0.3773, 0.4729



14.5989, 0.3055, 0.3710



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.



31.6223, 0.2935, 0.4816



55.5694, 0.2920, 0.5202



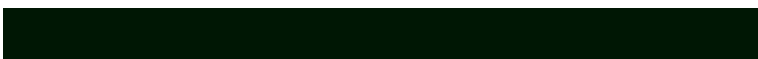
32.7379, 0.2618, 0.3886



8.9621, 0.3092, 0.3481



22.0364, 0.2947, 0.5811



0.6199, 0.2806, 0.5302

Inverse Universe

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



15.7361, 0.3439, 0.2151



23.9523, 0.3529, 0.1972



14.4309, 0.4259, 0.2807



8.1229, 0.3164, 0.3106



7.9647, 0.3716, 0.1821



0.2279, 0.3538, 0.1723

Previews

White Background



This preview shows how the Yxy color 31.6210, 0.2935, 0.4816 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 31.6210, 0.2935, 0.4816 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 31.6210, 0.2935, 0.4816

Background



This preview shows how black text looks on a background with the Yxy color 31.6210, 0.2935, 0.4816.



This preview shows how white text looks on a background with the Yxy color 31.6210, 0.2935, 0.4816.

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

31.6210, 0.2935, 0.4816

Protanopia

31.2965, 0.3950, 0.4303

Deuteranopia

31.1811, 0.4045, 0.3965



Tritanopia

31.3549, 0.2475, 0.3059

Trichromacy



Original Color

31.6210, 0.2935, 0.4816



Protanomaly

30.3737, 0.3501, 0.4507



Deuteranomaly

30.0905, 0.3569, 0.4284



Tritanomaly

31.2952, 0.2641, 0.3659

Monochromacy



Original Color

31.6210, 0.2935, 0.4816



Achromatopsia

23.4551, 0.3127, 0.3290



Achromatomaly

25.5313, 0.3041, 0.3844

CSS Examples

Text

The CSS property to change the color of the text to Yxy 31.6210, 0.2935, 0.4816 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(72, 172, 90)` looks like.

```
.text, #text, p{  
    color:rgb(72, 172, 90)  
}
```

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(72, 172, 90) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(72, 172, 90) }
```

Border

The CSS property to change the border of an element to Yxy 31.6210, 0.2935, 0.4816 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(72, 172, 90) }
```

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

```
.border{ border-color:rgb(72, 172, 90) }
```

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

Here you see how a box with a 4 pixel rgb(72, 172, 90) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(72, 172, 90); -webkit-box-  
shadow:4px 4px 4px 4px rgb(72, 172, 90);  
box-shadow:4px 4px 4px 4px rgb(72, 172,  
90) }
```


Background

The CSS property to change the background color of an element to Yxy 31.6210, 0.2935, 0.4816 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(72, 172, 90) }
```

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

```
.background{ background-color: rgb(72, 172,  
90) }
```

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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