

Converting Colors

Yxy(31.2443, 0.3157, 0.5448)

Have a look what the booklet for
Yxy(31.2443, 0.3157, 0.5448)
contains.

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Color

Yxy(31.1433, 0.3158, 0.5448)

Conversions

Conversions Part 1

Format	Color
Hex	49AC31
RGB	73, 172, 49
RGB Percent	29%, 67%, 19%
CMY	0.7139, 0.3255, 0.8077
CMYK	0.58, 0.00, 0.71, 0.33
HSL	108°, 56%, 43%
HSV	108°, 71%, 67%
XYZ	18.0526, 31.1433, 7.9688
YIQ	128.3770, -19.5210, -59.2410

Conversions

Conversions Part 2

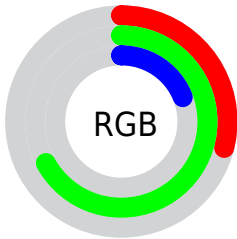
Format	Color
RYB	49, 172, 148
Decimal	4828209
CIELab	62.63, -51.50, 51.91
CIElCh	63, 73.124, 134.776
Yxy	31.1433, 0.3158, 0.5448
Android (android.graphics.Color)	4283018289 (0xFF49AC31)
YUV	128.3770, -39.1329, -48.5656
Hunter-Lab	55.8062, -39.9183, 30.5981

Details

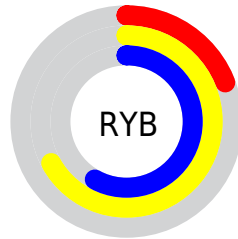
The Yxy color **31.1433, 0.3158, 0.5448** is a dark color, and the websafe version is hex **339900**. A complement of this color would be **11.4821, 0.2869, 0.1586**, and the grayscale version is **21.8661, 0.3127, 0.3290**.

A 20% lighter version of the original color is **61.2714, 0.3209, 0.4978**, and **13.1937, 0.3000, 0.6000** is the 20% darker color. If you saturate the color by 10%, you get **30.5441, 0.3131, 0.5685**, and if you desaturate by 10%, it is **31.9211, 0.3176, 0.5157**.

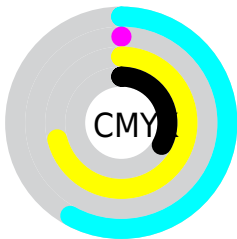
Distribution



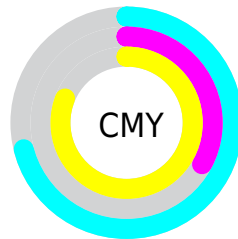
- Red (29%)
- Green (67%)
- Blue (19%)



- Red (19%)
- Yellow (67%)
- Blue (58%)



- Cyan (58%)
- Magenta (0%)
- Yellow (71%)
- Black (33%)




- Cyan (71%)
- Magenta (33%)
- Yellow (81%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 31.1433, 0.3158, 0.5448 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 31.1433, 0.3158, 0.5448 by changing the saturation by 10% instead.


 31.1433, 0.3158,
0.5448


 31.1433, 0.3158,
0.5448


307.1980, 0.3222,
0.4227

 20.7080, 0.3099,
0.5787

 61.4656, 0.3209,
0.4974

 12.9107, 0.2989,
0.6230


 82.1214, 0.3219,
0.4805


 7.3671, 0.2815,
0.6901


 106.9528, 0.3225,
0.4665

 3.6927, 0.2385,
0.7615

 136.3442, 0.3227,
0.4548

 1.5032, 0.0454,
0.9546

 170.6801, 0.3227,
0.4449

 0.2910, 0.0000,
1.0000

 210.3447, 0.3226,

 0.0000, 0.0000,

0.4364

0.0000

255.7225, 0.3224,
0.4291

■ 31.1433, 0.3158,
0.5448

■ 31.1433, 0.3158,
0.5448

■ 30.5441, 0.3131,
0.5685

■ 31.9211, 0.3176,
0.5157

■ 30.1048, 0.3097,
0.5852

■ 32.8865, 0.3184,
0.4834

■ 29.8388, 0.3068,
0.5946

■ 34.0527, 0.3184,
0.4500

■ 35.4302, 0.3177,
0.4173

■ 37.0292, 0.3164,
0.3864

■ 38.8589, 0.3148,
0.3580

■ 40.9281, 0.3130,
0.3326

■ 43.2450, 0.3111,
0.3100

■ 45.8177, 0.3092,
0.2901

Harmonies

Analogous

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



31.1433, 0.4174, 0.5205



31.1433, 0.3158, 0.5448



31.1433, 0.2184, 0.4629

Triad

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



31.1433, 0.3158, 0.5448



31.1433, 0.1418, 0.1778



31.1433, 0.4970, 0.2962

Complementary

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



31.1433, 0.3158, 0.5448



11.4821, 0.2869, 0.1586

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.



31.1433, 0.3902, 0.2328



31.1433, 0.3158, 0.5448



31.1433, 0.1875, 0.1680

Square

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



31.1433, 0.3158, 0.5448



31.1433, 0.1301, 0.2253



31.1433, 0.2725, 0.1875



31.1433, 0.5364, 0.3680

Rectangle

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



31.1433, 0.3158, 0.5448



31.1433, 0.1702, 0.3701



31.1433, 0.2725, 0.1875



31.1433, 0.4666, 0.2737

Sweetspot

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



31.1446, 0.3158, 0.5448



67.2066, 0.3164, 0.3860



29.9895, 0.4300, 0.4594



14.4290, 0.3168, 0.3940



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.



31.1446, 0.3158, 0.5448



54.8914, 0.3111, 0.5795



30.8323, 0.2839, 0.4946



9.0116, 0.3144, 0.3522



22.2217, 0.3073, 0.5942



0.6396, 0.3269, 0.5787

Inverse Universe

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



11.4821, 0.2869, 0.1586



16.9523, 0.2787, 0.1371



12.7234, 0.3784, 0.2140



8.0682, 0.3108, 0.3064



6.2947, 0.2729, 0.1277



0.1950, 0.2883, 0.1362

Previews

White Background



This preview shows how the Yxy color 31.1433, 0.3158, 0.5448 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 31.1433, 0.3158, 0.5448 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 31.1433, 0.3158, 0.5448

Background



This preview shows how black text looks on a background with the Yxy color 31.1433, 0.3158, 0.5448.



This preview shows how white text looks on a background with the Yxy color 31.1433, 0.3158, 0.5448.

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

31.1433, 0.3158, 0.5448

Protanopia

30.7427, 0.4263, 0.4704

Deuteranopia

30.5360, 0.4435, 0.4350



Tritanopia

31.1035, 0.2517, 0.3091

Trichromacy



Original Color

31.1433, 0.3158, 0.5448



Protanomaly

30.0541, 0.3794, 0.5022



Deuteranomaly

29.5077, 0.3904, 0.4775



Tritanomaly

30.5926, 0.2779, 0.3960

Monochromacy



Original Color

31.1433, 0.3158, 0.5448



Achromatopsia

21.5861, 0.3127, 0.3290



Achromatomaly

24.0355, 0.3179, 0.4150

CSS Examples

Text

The CSS property to change the color of the text to Yxy 31.1433, 0.3158, 0.5448 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(73, 172, 49)` looks like.

```
.text, #text, p{  
    color:rgb(73, 172, 49)  
}
```

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(73, 172, 49) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(73, 172, 49) }
```

Border

The CSS property to change the border of an element to Yxy 31.1433, 0.3158, 0.5448 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(73, 172, 49) }
```

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

```
.border{ border-color:rgb(73, 172, 49) }
```

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

Here you see how a box with a 4 pixel `rgb(73, 172, 49)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(73, 172, 49); -webkit-box-  
shadow:4px 4px 4px 4px rgb(73, 172, 49);  
box-shadow:4px 4px 4px 4px rgb(73, 172,  
49) }
```


Background

The CSS property to change the background color of an element to Yxy 31.1433, 0.3158, 0.5448 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(73, 172, 49) }
```

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

```
.background{ background-color: rgb(73, 172,  
49) }
```

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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