

Converting Colors

$Y_{xy}(31.7129, 0.3097, 0.5171)$

Have a look what the booklet for
Yxy(31.7129, 0.3097, 0.5171)
contains.

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Color

Yxy(31.8823, 0.3095, 0.5180)

Conversions

Conversions Part 1

Format	Color
Hex	4DAD44
RGB	77, 173, 68
RGB Percent	30%, 68%, 27%
CMY	0.6979, 0.3216, 0.7334
CMYK	0.55, 0.00, 0.61, 0.32
HSL	115°, 44%, 47%
HSV	115°, 61%, 68%
XYZ	19.0494, 31.8823, 10.6172
YIQ	132.3260, -23.5110, -53.0070

Conversions

Conversions Part 2

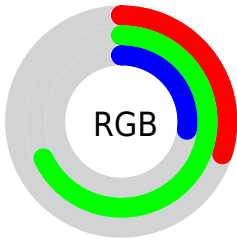
Format	Color
RYB	68, 173, 164
Decimal	5090628
CIELab	63.25, -48.97, 44.58
CIELCh	63, 66.219, 137.689
Yxy	31.8823, 0.3095, 0.5180
Android (android.graphics.Color)	4283280708 (0xFF4DAD44)
YUV	132.3260, -31.7127, -48.5209
Hunter-Lab	56.4644, -38.5923, 28.3766

Details

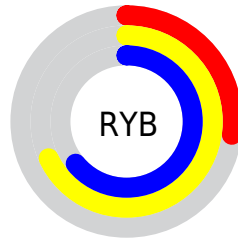
The Yxy color **31.8823, 0.3095, 0.5180** is a dark color, and the websafe version is hex **339933**. A complement of this color would be **15.0387, 0.3073, 0.1855**, and the grayscale version is **23.3250, 0.3127, 0.3290**.

A 20% lighter version of the original color is **62.4630, 0.3140, 0.4755**, and **13.4620, 0.2968, 0.5886** is the 20% darker color. If you saturate the color by 10%, you get **31.1227, 0.3077, 0.5481**, and if you desaturate by 10%, it is **32.8668, 0.3109, 0.4844**.

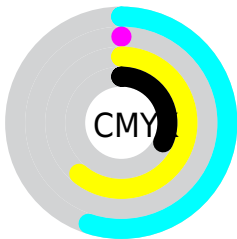
Distribution



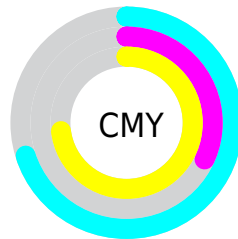
- Red (30%)
- Green (68%)
- Blue (27%)



- Red (27%)
- Yellow (68%)
- Blue (64%)



- Cyan (55%)
- Magenta (0%)
- Yellow (61%)
- Black (32%)





- Cyan (70%)
- Magenta (32%)
- Yellow (73%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 31.8823, 0.3095, 0.5180 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 31.8823, 0.3095, 0.5180 by changing the saturation by 10% instead.


 31.8823, 0.3095,
0.5180


 31.8823, 0.3095,
0.5180


310.5827, 0.3170,
0.4109

 21.2716, 0.3045,
0.5485


 62.6265, 0.3142,
0.4761

 13.3227, 0.2958,
0.5894


 83.5289, 0.3154,
0.4613


 7.6511, 0.2793,
0.6455


 108.6305, 0.3161,
0.4490

 3.8725, 0.2543,
0.7457

 138.3159, 0.3165,
0.4389

 1.6025, 0.1101,
0.8899

 172.9695, 0.3168,
0.4302

 0.3593, 0.0000,
1.0000

212.9755, 0.3169,

 0.0000, 0.0000,

0.4229

0.0000

258.7185, 0.3170,
0.4165

■ 31.8823, 0.3095,
0.5180

■ 31.8823, 0.3095,
0.5180

■ 31.1227, 0.3077,
0.5481

■ 32.8668, 0.3109,
0.4844

■ 30.5665, 0.3057,
0.5724

■ 34.0877, 0.3119,
0.4498

■ 30.1949, 0.3036,
0.5891

■ 35.5605, 0.3125,
0.4161

■ 29.9878, 0.3021,
0.5984

■ 37.2983, 0.3128,
0.3846

■ 39.3133, 0.3129,
0.3561

■ 41.6168, 0.3127,
0.3307

■ 44.2196, 0.3125,
0.3084

■ 47.1319, 0.3121,
0.2890

■ 50.3634, 0.3117,
0.2722

Harmonies

Analogous

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



31.8823, 0.4038, 0.5097



31.8823, 0.3095, 0.5180



31.8823, 0.2209, 0.4365

Triad

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



31.8823, 0.3095, 0.5180



31.8823, 0.1574, 0.1879



31.8823, 0.4854, 0.3072

Complementary

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



31.8823, 0.3095, 0.5180



15.0387, 0.3073, 0.1855

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.



31.8823, 0.3937, 0.2462



31.8823, 0.3095, 0.5180



31.8823, 0.2041, 0.1809

Square

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



31.8823, 0.3095, 0.5180



31.8823, 0.1435, 0.2297



31.8823, 0.2864, 0.2016



31.8823, 0.5161, 0.3758

Rectangle

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



31.8823, 0.3095, 0.5180



31.8823, 0.1780, 0.3551



31.8823, 0.2864, 0.2016



31.8823, 0.4600, 0.2857

Sweetspot

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



31.8836, 0.3095, 0.5180



67.6138, 0.3128, 0.3775



35.3184, 0.4050, 0.4573



14.4848, 0.3128, 0.3860



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.



31.8836, 0.3095, 0.5180



55.3426, 0.3070, 0.5576



32.2415, 0.2786, 0.4460



8.9711, 0.3129, 0.3523



22.0418, 0.3024, 0.5981



0.6236, 0.3124, 0.5901

Inverse Universe

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



15.0387, 0.3073, 0.1855



22.4422, 0.3048, 0.1636



14.6563, 0.3828, 0.2398



8.1125, 0.3124, 0.3066



7.5769, 0.2997, 0.1425



0.2208, 0.3066, 0.1462

Previews

White Background



This preview shows how the Yxy color 31.8823, 0.3095, 0.5180 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 31.8823, 0.3095, 0.5180 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 31.8823, 0.3095, 0.5180

Background



This preview shows how black text looks on a background with the Yxy color 31.8823, 0.3095, 0.5180.



This preview shows how white text looks on a background with the Yxy color 31.8823, 0.3095, 0.5180.

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

31.8823, 0.3095, 0.5180

Protanopia

31.2393, 0.4137, 0.4541

Deuteranopia

31.3374, 0.4287, 0.4208



Tritanopia

31.6451, 0.2519, 0.3077

Trichromacy



Original Color

31.8823, 0.3095, 0.5180



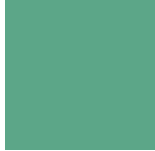
Protanomaly

30.7460, 0.3699, 0.4809



Deuteranomaly

30.1268, 0.3788, 0.4573



Tritanomaly

31.3253, 0.2744, 0.3821

Monochromacy



Original Color

31.8823, 0.3095, 0.5180



Achromatopsia

23.0740, 0.3127, 0.3290



Achromatomaly

25.4163, 0.3124, 0.3995

CSS Examples

Text

The CSS property to change the color of the text to Yxy 31.8823, 0.3095, 0.5180 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, 68)` looks like.

```
.text, #text, p{  
    color:rgb(77, 173, 68)  
}
```

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, 68) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(77, 173, 68) }
```

Border

The CSS property to change the border of an element to Yxy 31.8823, 0.3095, 0.5180 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, 68) }
```

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

```
.border{ border-color:rgb(77, 173, 68) }
```

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, 68)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(77, 173, 68); -webkit-box-  
shadow:4px 4px 4px 4px rgb(77, 173, 68);  
box-shadow:4px 4px 4px 4px rgb(77, 173,  
68) }
```


Background

The CSS property to change the background color of an element to Yxy 31.8823, 0.3095, 0.5180 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, 68) }
```

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

```
.background{ background-color: rgb(77, 173,  
68) }
```

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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