

Converting Colors

$Y_{xy}(33.1295, 0.3015, 0.4918)$

Have a look what the booklet for
Yxy(33.1295, 0.3015, 0.4918)
contains.

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Color

Yxy(33.0213, 0.3018, 0.4914)

Conversions

Conversions Part 1

Format	Color
Hex	50AF55
RGB	80, 175, 85
RGB Percent	31%, 69%, 33%
CMY	0.6861, 0.3137, 0.6667
CMYK	0.54, 0.00, 0.51, 0.31
HSL	123°, 37%, 50%
HSV	123°, 54%, 69%
XYZ	20.2805, 33.0213, 13.8966
YIQ	136.3350, -27.7300, -48.1300

Conversions

Conversions Part 2

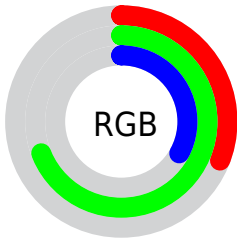
Format	Color
RYB	80, 170, 175
Decimal	5287765
CIELab	64.18, -46.82, 37.54
CIELCh	64, 60.010, 141.274
Yxy	33.0213, 0.3018, 0.4914
Android (android.graphics.Color)	4283477845 (0xFF50AF55)
YUV	136.3350, -25.3082, -49.4058
Hunter-Lab	57.4642, -37.5654, 25.8867

Details

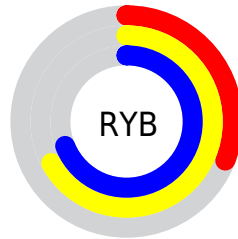
The Yxy color **33.0213, 0.3018, 0.4914** is a dark color, and the websafe version is hex **339933**. A complement of this color would be **17.7625, 0.3249, 0.2075**, and the grayscale version is **24.8620, 0.3127, 0.3290**.

A 20% lighter version of the original color is **64.1922, 0.3062, 0.4546**, and **13.8537, 0.2894, 0.5526** is the 20% darker color. If you saturate the color by 10%, you get **32.1236, 0.3003, 0.5241**, and if you desaturate by 10%, it is **34.1820, 0.3037, 0.4573**.

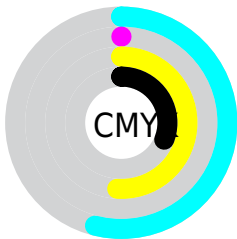
Distribution



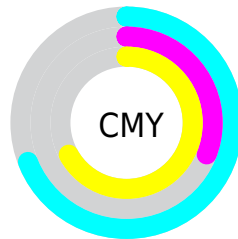
- Red (31%)
- Green (69%)
- Blue (33%)



- Red (31%)
- Yellow (67%)
- Blue (69%)



- Cyan (54%)
- Magenta (0%)
- Yellow (51%)
- Black (31%)





- Cyan (69%)
- Magenta (31%)
- Yellow (67%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 33.0213, 0.3018, 0.4914 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 33.0213, 0.3018, 0.4914 by changing the saturation by 10% instead.


 33.0213, 0.3018,
0.4914


 33.0213, 0.3018,
0.4914


315.7457, 0.3117,
0.3997


 22.1428, 0.2972,
0.5178


 64.4088, 0.3068,
0.4555


 13.9618, 0.2896,
0.5537


 85.6865, 0.3082,
0.4427

 8.0941, 0.2763,
0.6043

 111.1994, 0.3093,
0.4323

 4.1552, 0.2566,
0.6949

 141.3319, 0.3100,
0.4236

 1.7608, 0.1654,
0.8346

 176.4684, 0.3106,
0.4163

 0.4625, 0.0000,
1.0000

216.9933, 0.3111,

 0.0000, 0.0000,

0.4099

0.0000

263.2909, 0.3114,
0.4045

■ 33.0213, 0.3018,
0.4914

■ 33.0213, 0.3018,
0.4914

■ 32.1236, 0.3003,
0.5241

■ 34.1820, 0.3037,
0.4573

■ 31.4646, 0.2993,
0.5530

■ 35.6195, 0.3057,
0.4239

■ 31.0226, 0.2989,
0.5759

■ 37.3516, 0.3078,
0.3926

■ 30.7700, 0.2991,
0.5911

■ 39.3935, 0.3099,
0.3641

■ 30.6794, 0.2990,
0.5965

■ 41.7593, 0.3119,
0.3388

■ 44.4622, 0.3138,
0.3167

■ 47.5147, 0.3154,
0.2974

■ 50.9286, 0.3170,
0.2809

■ 54.7153, 0.3183,
0.2666

Harmonies

Analogous

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



33.0213, 0.3887, 0.4971



33.0213, 0.3018, 0.4914



33.0213, 0.2225, 0.4119

Triad

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



33.0213, 0.3018, 0.4914



33.0213, 0.1735, 0.1978



33.0213, 0.4744, 0.3183

Complementary

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



33.0213, 0.3018, 0.4914



17.7625, 0.3249, 0.2075

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.



33.0213, 0.3974, 0.2599



33.0213, 0.3018, 0.4914



33.0213, 0.2213, 0.1939

Square

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



33.0213, 0.3018, 0.4914



33.0213, 0.1571, 0.2334



33.0213, 0.3005, 0.2160



33.0213, 0.4962, 0.3831

Rectangle

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



33.0213, 0.3018, 0.4914



33.0213, 0.1851, 0.3409



33.0213, 0.3005, 0.2160



33.0213, 0.4537, 0.2978

Sweetspot

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



33.0227, 0.3018, 0.4914



69.7695, 0.3095, 0.3696



39.8134, 0.3852, 0.4590



15.3386, 0.3091, 0.3752



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.



33.0227, 0.3018, 0.4914



57.2816, 0.3001, 0.5298



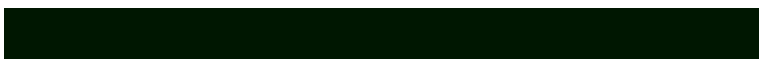
34.0403, 0.2712, 0.4045



8.9459, 0.3109, 0.3512



21.9738, 0.2988, 0.5958



0.6134, 0.2938, 0.5778

Inverse Universe

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



17.7625, 0.3249, 0.2075



27.1061, 0.3277, 0.1878



16.2825, 0.3957, 0.2672



8.1408, 0.3145, 0.3078



8.4984, 0.3342, 0.1615



0.2386, 0.3298, 0.1590

Previews

White Background



This preview shows how the Yxy color 33.0213, 0.3018, 0.4914 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 33.0213, 0.3018, 0.4914 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 33.0213, 0.3018, 0.4914

Background



This preview shows how black text looks on a background with the Yxy color 33.0213, 0.3018, 0.4914.



This preview shows how white text looks on a background with the Yxy color 33.0213, 0.3018, 0.4914.

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

33.0213, 0.3018, 0.4914

Protanopia

32.6507, 0.4014, 0.4384

Deuteranopia

32.3315, 0.4135, 0.4039



Tritanopia

32.9494, 0.2521, 0.3080

Trichromacy



Original Color

33.0213, 0.3018, 0.4914



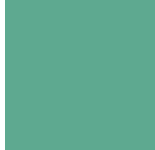
Protanomaly

31.8380, 0.3589, 0.4591



Deuteranomaly

31.2248, 0.3668, 0.4363



Tritanomaly

32.7692, 0.2707, 0.3721

Monochromacy



Original Color

33.0213, 0.3018, 0.4914



Achromatopsia

24.6201, 0.3127, 0.3290



Achromatomaly

26.8101, 0.3089, 0.3885

CSS Examples

Text

The CSS property to change the color of the text to Yxy 33.0213, 0.3018, 0.4914 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(80, 175, 85)` looks like.

```
.text, #text, p{  
    color:rgb(80, 175, 85)  
}
```

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(80, 175, 85) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(80, 175, 85) }
```

Border

The CSS property to change the border of an element to Yxy 33.0213, 0.3018, 0.4914 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(80, 175, 85) }
```

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

```
.border{ border-color:rgb(80, 175, 85) }
```

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

Here you see how a box with a 4 pixel `rgb(80, 175, 85)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(80, 175, 85); -webkit-box-  
shadow:4px 4px 4px 4px rgb(80, 175, 85);  
box-shadow:4px 4px 4px 4px rgb(80, 175,  
85) }
```


Background

The CSS property to change the background color of an element to Yxy 33.0213, 0.3018, 0.4914 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(80, 175, 85) }
```

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

```
.background{ background-color: rgb(80, 175,  
85) }
```

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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