

Converting Colors

$Yxy(31.5031, 0.2987, 0.5214)$

Have a look what the booklet for
Yxy(31.5031, 0.2987, 0.5214)
contains.

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Color

Yxy(31.7064, 0.2986, 0.5212)

Conversions

Conversions Part 1

Format	Color
Hex	3DAE46
RGB	61, 174, 70
RGB Percent	24%, 68%, 27%
CMY	0.7609, 0.3176, 0.7254
CMYK	0.65, 0.00, 0.60, 0.32
HSL	125°, 48%, 46%
HSV	125°, 65%, 68%
XYZ	18.1649, 31.7064, 10.9622
YIQ	128.3570, -33.9640, -56.3000

Conversions

Conversions Part 2

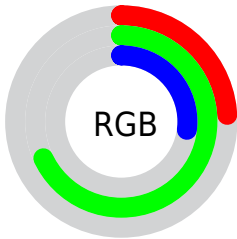
Format	Color
RYB	61, 166, 174
Decimal	4042310
CIELab	63.10, -52.94, 43.34
CIELCh	63, 68.416, 140.696
Yxy	31.7064, 0.2986, 0.5212
Android (android.graphics.Color)	4282232390 (0xFF3DAE46)
YUV	128.3570, -28.7700, -59.0721
Hunter-Lab	56.3084, -40.9564, 27.8733

Details

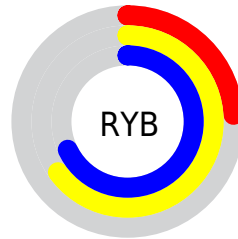
The Yxy color **31.7064, 0.2986, 0.5212** is a dark color, and the websafe version is hex **339933**. A complement of this color would be **15.0464, 0.3319, 0.1928**, and the grayscale version is **21.8256, 0.3127, 0.3290**.

A 20% lighter version of the original color is **62.6219, 0.3052, 0.4781**, and **13.4704, 0.2959, 0.5854** is the 20% darker color. If you saturate the color by 10%, you get **31.0667, 0.2978, 0.5499**, and if you desaturate by 10%, it is **32.5817, 0.3001, 0.4891**.

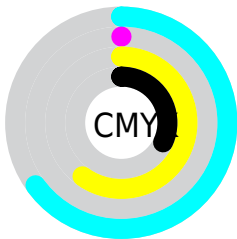
Distribution



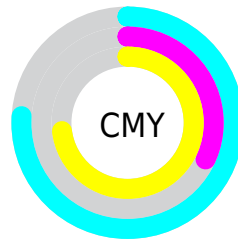
- Red (24%)
- Green (68%)
- Blue (27%)



- Red (24%)
- Yellow (65%)
- Blue (68%)



- Cyan (65%)
- Magenta (0%)
- Yellow (60%)
- Black (32%)





- Cyan (76%)
- Magenta (32%)
- Yellow (73%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 31.7064, 0.2986, 0.5212 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 31.7064, 0.2986, 0.5212 by changing the saturation by 10% instead.


 31.7064, 0.2986,
0.5212

 31.7064, 0.2986,
0.5212


309.7796, 0.3120,
0.4115


 21.1373, 0.2921,
0.5528


 62.3505, 0.3055,
0.4781

 13.2244, 0.2814,
0.5955


 83.1944, 0.3074,
0.4628

 7.5833, 0.2624,
0.6547


 108.2320, 0.3088,
0.4504

 3.8295, 0.2347,
0.7653

 137.8477, 0.3098,
0.4400

 1.5786, 0.0517,
0.9483

 172.4259, 0.3106,
0.4312

 0.3431, 0.0000,
1.0000

212.3511, 0.3112,

 0.0000, 0.0000,

0.4237

0.0000

258.0075, 0.3116,
0.4172

■ 31.7064, 0.2986,
0.5212

■ 31.7064, 0.2986,
0.5212

■ 31.0667, 0.2978,
0.5499

■ 32.5817, 0.3001,
0.4891

■ 30.6361, 0.2977,
0.5730

■ 33.7082, 0.3020,
0.4558

■ 30.3888, 0.2983,
0.5890

■ 35.1047, 0.3043,
0.4232

■ 30.3059, 0.2984,
0.5944

■ 36.7872, 0.3067,
0.3927

■ 38.7703, 0.3092,
0.3649

■ 41.0677, 0.3116,
0.3402

■ 43.6923, 0.3138,
0.3185

■ 46.6562, 0.3159,
0.2996

■ 49.9709, 0.3179,
0.2833

Harmonies

Analogous

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



31.7064, 0.3960, 0.5195



31.7064, 0.2986, 0.5212



31.7064, 0.2100, 0.4283

Triad

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



31.7064, 0.2986, 0.5212



31.7064, 0.1565, 0.1818



31.7064, 0.4978, 0.3126

Complementary

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



31.7064, 0.2986, 0.5212



15.0464, 0.3319, 0.1928

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.



31.7064, 0.4075, 0.2494



31.7064, 0.2986, 0.5212



31.7064, 0.2077, 0.1779

Square

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



31.7064, 0.2986, 0.5212



31.7064, 0.1391, 0.2200



31.7064, 0.2956, 0.2017



31.7064, 0.5214, 0.3831

Rectangle

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



31.7064, 0.2986, 0.5212



31.7064, 0.1688, 0.3432



31.7064, 0.2956, 0.2017



31.7064, 0.4737, 0.2904

Sweetspot

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



31.7077, 0.2986, 0.5212



68.6805, 0.3081, 0.3767



38.7686, 0.3937, 0.4799



15.0431, 0.3074, 0.3845



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.



31.7077, 0.2986, 0.5212



55.9589, 0.2977, 0.5609



32.7462, 0.2657, 0.4191



8.9494, 0.3106, 0.3505



21.9833, 0.2982, 0.5935



0.6148, 0.2907, 0.5665

Inverse Universe

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



15.0464, 0.3319, 0.1928



23.3886, 0.3364, 0.1757



13.4569, 0.4253, 0.2609



8.1368, 0.3149, 0.3084



8.3725, 0.3418, 0.1657



0.2361, 0.3348, 0.1618

Previews

White Background



This preview shows how the Yxy color 31.7064, 0.2986, 0.5212 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 31.7064, 0.2986, 0.5212 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 31.7064, 0.2986, 0.5212

Background



This preview shows how black text looks on a background with the Yxy color 31.7064, 0.2986, 0.5212.



This preview shows how white text looks on a background with the Yxy color 31.7064, 0.2986, 0.5212.

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

31.7064, 0.2986, 0.5212

Protanopia

31.2504, 0.4130, 0.4531

Deuteranopia

30.9501, 0.4258, 0.4166



Tritanopia

31.4528, 0.2448, 0.3074

Trichromacy



Original Color

31.7064, 0.2986, 0.5212



Protanomaly

30.2808, 0.3622, 0.4819



Deuteranomaly

29.6272, 0.3698, 0.4563



Tritanomaly

31.1058, 0.2655, 0.3831

Monochromacy



Original Color

31.7064, 0.2986, 0.5212



Achromatopsia

21.5861, 0.3127, 0.3290



Achromatomaly

24.2554, 0.3063, 0.4018

CSS Examples

Text

The CSS property to change the color of the text to Yxy 31.7064, 0.2986, 0.5212 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(61, 174, 70)` looks like.

```
.text, #text, p{  
    color:rgb(61, 174, 70)  
}
```

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(61, 174, 70) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(61, 174, 70) }
```

Border

The CSS property to change the border of an element to Yxy 31.7064, 0.2986, 0.5212 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(61, 174, 70) }
```

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

```
.border{ border-color:rgb(61, 174, 70) }
```

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

Here you see how a box with a 4 pixel rgb(61, 174, 70) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(61, 174, 70); -webkit-box-  
shadow:4px 4px 4px 4px rgb(61, 174, 70);  
box-shadow:4px 4px 4px 4px rgb(61, 174,  
70) }
```


Background

The CSS property to change the background color of an element to Yxy 31.7064, 0.2986, 0.5212 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(61, 174, 70) }
```

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

```
.background{ background-color: rgb(61, 174,  
70) }
```

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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