

Converting Colors

$Yxy(31.9229, 0.2938, 0.5023)$

Have a look what the booklet for
Yxy(31.9229, 0.2938, 0.5023)
contains.

Yxy(31.9229, 0.2938, 0.5023)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(31.9229, 0.2938, 0.5023)

Conversions

Conversions Part 1

Format	Color
Hex	3FAE51
RGB	63, 174, 81
RGB Percent	25%, 68%, 32%
CMY	0.7528, 0.3176, 0.6824
CMYK	0.64, 0.00, 0.53, 0.32
HSL	130°, 47%, 46%
HSV	130°, 64%, 68%
XYZ	18.6720, 31.9229, 12.9585
YIQ	130.2090, -36.3030, -52.4550

Conversions

Conversions Part 2

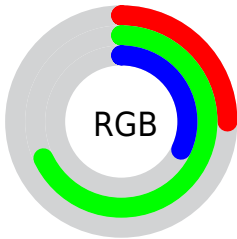
Format	Color
RYB	63, 159, 174
Decimal	4173393
CIELab	63.28, -51.06, 38.31
CIELCh	63, 63.833, 143.118
Yxy	31.9229, 0.2938, 0.5023
Android (android.graphics.Color)	4282363473 (0xFF3FAE51)
YUV	130.2090, -24.2600, -58.9423
Hunter-Lab	56.5004, -39.8857, 25.9519

Details

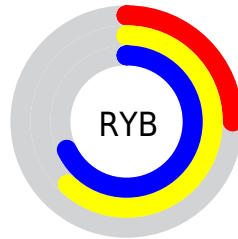
The Yxy color **31.9229, 0.2938, 0.5023** is a dark color, and the websafe version is hex **339933**. A complement of this color would be **14.9592, 0.3447, 0.2043**, and the grayscale version is **22.5011, 0.3127, 0.3290**.

A 20% lighter version of the original color is **62.3971, 0.3007, 0.4635**, and **13.5319, 0.2897, 0.5630** is the 20% darker color. If you saturate the color by 10%, you get **31.2430, 0.2931, 0.5311**, and if you desaturate by 10%, it is **32.8335, 0.2955, 0.4716**.

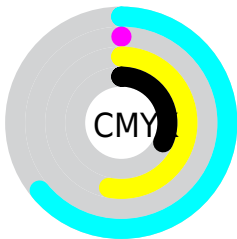
Distribution



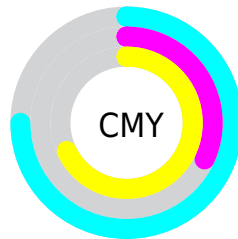
- Red (25%)
- Green (68%)
- Blue (32%)



- Red (25%)
- Yellow (62%)
- Blue (68%)



- Cyan (64%)
- Magenta (0%)
- Yellow (53%)
- Black (32%)




- Cyan (75%)
- Magenta (32%)
- Yellow (68%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 31.9229, 0.2938, 0.5023 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 31.9229, 0.2938, 0.5023 by changing the saturation by 10% instead.


 31.9229, 0.2938,
0.5023


 31.9229, 0.2938,
0.5023

310.7679, 0.3085,
0.4035

 21.3026, 0.2876,
0.5311


 62.6902, 0.3008,
0.4633


 13.3454, 0.2778,
0.5705


 83.6060, 0.3029,
0.4496


 7.6668, 0.2609,
0.6262


 108.7224, 0.3044,
0.4384

 3.8825, 0.2387,
0.7371

 138.4239, 0.3057,
0.4290

 1.6081, 0.0858,
0.9142

 173.0948, 0.3066,
0.4212

 0.3630, 0.0000,
1.0000

213.1195, 0.3074,

 0.0000, 0.0000,

0.4144

0.0000

258.8824, 0.3080,
0.4086

■ 31.9229, 0.2938,
0.5023

■ 31.9229, 0.2938,
0.5023

■ 31.2430, 0.2931,
0.5311

■ 32.8335, 0.2955,
0.4716

■ 30.7690, 0.2935,
0.5562

■ 33.9890, 0.2980,
0.4408

■ 30.4776, 0.2950,
0.5760

■ 35.4072, 0.3010,
0.4112

■ 30.3572, 0.2959,
0.5853

■ 37.1028, 0.3044,
0.3837

■ 39.0897, 0.3079,
0.3588

■ 41.3808, 0.3114,
0.3367

■ 43.9882, 0.3148,
0.3172

■ 46.9233, 0.3181,
0.3002

■ 50.1970, 0.3211,
0.2855

Harmonies

Analogous

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



31.9229, 0.3862, 0.5106



31.9229, 0.2938, 0.5023



31.9229, 0.2114, 0.4116

Triad

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



31.9229, 0.2938, 0.5023



31.9229, 0.1675, 0.1886



31.9229, 0.4898, 0.3203

Complementary

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



31.9229, 0.2938, 0.5023



14.9592, 0.3447, 0.2043

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.



31.9229, 0.4096, 0.2587



31.9229, 0.2938, 0.5023



31.9229, 0.2194, 0.1867

Square

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



31.9229, 0.2938, 0.5023



31.9229, 0.1483, 0.2229



31.9229, 0.3053, 0.2115



31.9229, 0.5077, 0.3883

Rectangle

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



31.9229, 0.2938, 0.5023



31.9229, 0.1738, 0.3341



31.9229, 0.3053, 0.2115



31.9229, 0.4688, 0.2987

Sweetspot

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



31.9242, 0.2938, 0.5023



68.8332, 0.3060, 0.3723



37.8358, 0.3834, 0.4834



15.0804, 0.3050, 0.3795



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.



31.9242, 0.2938, 0.5023



56.2323, 0.2932, 0.5432



33.0842, 0.2603, 0.3991



8.9597, 0.3095, 0.3486



22.0240, 0.2955, 0.5839



0.6189, 0.2824, 0.5365

Inverse Universe

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



14.9592, 0.3447, 0.2043



22.9051, 0.3537, 0.1877



13.5140, 0.4401, 0.2750



8.1255, 0.3161, 0.3102



8.0360, 0.3658, 0.1789



0.2294, 0.3502, 0.1703

Previews

White Background



This preview shows how the Yxy color 31.9229, 0.2938, 0.5023 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 31.9229, 0.2938, 0.5023 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 31.9229, 0.2938, 0.5023

Background



This preview shows how black text looks on a background with the Yxy color 31.9229, 0.2938, 0.5023.



This preview shows how white text looks on a background with the Yxy color 31.9229, 0.2938, 0.5023.

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

31.9229, 0.2938, 0.5023

Protanopia

31.2757, 0.4036, 0.4412

Deuteranopia

31.2864, 0.4146, 0.4062



Tritanopia

31.8989, 0.2451, 0.3075

Trichromacy



Original Color

31.9229, 0.2938, 0.5023



Protanomaly

30.4233, 0.3545, 0.4665



Deuteranomaly

30.1115, 0.3611, 0.4429



Tritanomaly

31.6637, 0.2630, 0.3752

Monochromacy



Original Color

31.9229, 0.2938, 0.5023



Achromatopsia

22.3228, 0.3127, 0.3290



Achromatomaly

24.7918, 0.3037, 0.3932

CSS Examples

Text

The CSS property to change the color of the text to Yxy 31.9229, 0.2938, 0.5023 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(63, 174, 81)` looks like.

```
.text, #text, p{  
    color:rgb(63, 174, 81)  
}
```

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(63, 174, 81) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(63, 174, 81) }
```

Border

The CSS property to change the border of an element to Yxy 31.9229, 0.2938, 0.5023 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(63, 174, 81) }
```

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

```
.border{ border-color:rgb(63, 174, 81) }
```

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

Here you see how a box with a 4 pixel rgb(63, 174, 81) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(63, 174, 81); -webkit-box-  
shadow:4px 4px 4px 4px rgb(63, 174, 81);  
box-shadow:4px 4px 4px 4px rgb(63, 174,  
81) }
```


Background

The CSS property to change the background color of an element to Yxy 31.9229, 0.2938, 0.5023 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(63, 174, 81) }
```

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

```
.background{ background-color: rgb(63, 174,  
81) }
```

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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