

Converting Colors

$Y_{xy}(31.3914, 0.2760, 0.4943)$

Have a look what the booklet for
Yxy(31.3914, 0.2760, 0.4943)
contains.

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Color

Yxy(31.2694, 0.2760, 0.4939)

Conversions

Conversions Part 1

Format	Color
Hex	1EAE59
RGB	30, 174, 89
RGB Percent	12%, 68%, 35%
CMY	0.8825, 0.3176, 0.6509
CMYK	0.83, 0.00, 0.49, 0.32
HSL	145°, 71%, 40%
HSV	145°, 83%, 68%
XYZ	17.4739, 31.2694, 14.5679
YIQ	121.2540, -58.5390, -56.9630

Conversions

Conversions Part 2

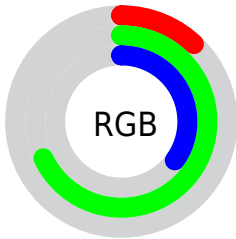
Format	Color
RYB	30, 132, 174
Decimal	2010713
CIELab	62.73, -55.07, 33.46
CIElCh	63, 64.433, 148.718
Yxy	31.2694, 0.2760, 0.4939
Android (android.graphics.Color)	4280200793 (0xFF1EAE59)
YUV	121.2540, -15.9012, -80.0298
Hunter-Lab	55.9190, -42.0797, 23.6972

Details

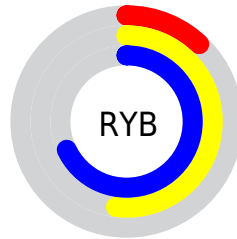
The Yxy color **31.2694, 0.2760, 0.4939** is a dark color, and the websafe version is hex **009933**. A complement of this color would be **11.1620, 0.4251, 0.2258**, and the grayscale version is **19.2701, 0.3127, 0.3290**.

A 20% lighter version of the original color is **61.8701, 0.2865, 0.4571**, and **13.5861, 0.2846, 0.5447** is the 20% darker color. If you saturate the color by 10%, you get **30.9169, 0.2781, 0.5148**, and if you desaturate by 10%, it is **31.7929, 0.2758, 0.4716**.

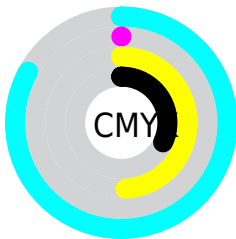
Distribution



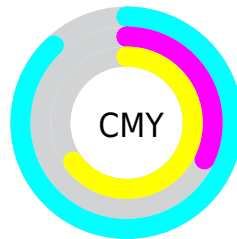
- Red (12%)
- Green (68%)
- Blue (35%)



- Red (12%)
- Yellow (52%)
- Blue (68%)



- Cyan (83%)
- Magenta (0%)
- Yellow (49%)
- Black (32%)




- Cyan (88%)
- Magenta (32%)
- Yellow (65%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 31.2694, 0.2760, 0.4939 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 31.2694, 0.2760, 0.4939 by changing the saturation by 10% instead.


 31.2694, 0.2760,
0.4939


 31.2694, 0.2760,
0.4939


 307.7775, 0.2996,
0.3992

 20.8041, 0.2678,
0.5221


 61.6640, 0.2861,
0.4562


 12.9809, 0.2555,
0.5611


 82.3620, 0.2894,
0.4431


 7.4154, 0.2358,
0.6176


 107.2397, 0.2920,
0.4323

 3.7232, 0.2053,
0.7174

 136.6815, 0.2941,
0.4234

 1.5200, 0.0000,
1.0000

 171.0718, 0.2959,
0.4159

 0.3027, 0.0000,
1.0000

 210.7950, 0.2973,

 0.0000, 0.0000,

0.4095

0.0000

256.2354, 0.2985,
0.4040

■ 31.2694, 0.2760,
0.4939

■ 31.2694, 0.2760,
0.4939

■ 30.9169, 0.2781,
0.5148

■ 31.7929, 0.2758,
0.4716

■ 30.7332, 0.2802,
0.5289

■ 32.5052, 0.2774,
0.4488

■ 33.4262, 0.2806,
0.4262

■ 34.5717, 0.2852,
0.4044

■ 35.9564, 0.2908,
0.3840

■ 37.5933, 0.2971,
0.3652

■ 39.4947, 0.3038,
0.3482

■ 41.6721, 0.3108,
0.3329

■ 44.1361, 0.3177,
0.3194

Harmonies

Analogous

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



31.2694, 0.3696, 0.5182



31.2694, 0.2760, 0.4939



31.2694, 0.1975, 0.3906

Triad

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



31.2694, 0.2760, 0.4939



31.2694, 0.1728, 0.1842



31.2694, 0.5013, 0.3323

Complementary

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



31.2694, 0.2760, 0.4939



11.1620, 0.4251, 0.2258

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.



31.2694, 0.4298, 0.2685



31.2694, 0.2760, 0.4939



31.2694, 0.2318, 0.1877

Square

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



31.2694, 0.2760, 0.4939



31.2694, 0.1475, 0.2119



31.2694, 0.3243, 0.2174



31.2694, 0.5063, 0.4018

Rectangle

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



31.2694, 0.2760, 0.4939



31.2694, 0.1644, 0.3134



31.2694, 0.3243, 0.2174



31.2694, 0.4841, 0.3102

Sweetspot

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



31.2707, 0.2760, 0.4939



67.3520, 0.2954, 0.3701



34.1068, 0.3571, 0.5384



14.7402, 0.2932, 0.3765



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.



31.2707, 0.2760, 0.4939



55.7405, 0.2808, 0.5301



33.0733, 0.2355, 0.3543



8.9918, 0.3062, 0.3427



22.3009, 0.2797, 0.5268



0.6314, 0.2622, 0.4637

Inverse Universe

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



11.1620, 0.4251, 0.2258



18.1167, 0.4585, 0.2304



10.1099, 0.5764, 0.3170



8.0917, 0.3198, 0.3157



7.2442, 0.4555, 0.2283



0.2120, 0.4049, 0.2004

Previews

White Background



This preview shows how the Yxy color 31.2694, 0.2760, 0.4939 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 31.2694, 0.2760, 0.4939 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 31.2694, 0.2760, 0.4939

Background



This preview shows how black text looks on a background with the Yxy color 31.2694, 0.2760, 0.4939.



This preview shows how white text looks on a background with the Yxy color 31.2694, 0.2760, 0.4939.

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

31.2694, 0.2760, 0.4939

Protanopia

30.8343, 0.3963, 0.4321

Deuteranopia

30.6333, 0.4029, 0.3958



Tritanopia

31.0648, 0.2352, 0.3069

Trichromacy



Original Color

31.2694, 0.2760, 0.4939



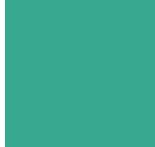
Protanomaly

29.2183, 0.3362, 0.4605



Deuteranomaly

28.6865, 0.3387, 0.4348



Tritanomaly

30.8904, 0.2491, 0.3709

Monochromacy



Original Color

31.2694, 0.2760, 0.4939



Achromatopsia

19.1202, 0.3127, 0.3290



Achromatomaly

21.9350, 0.2889, 0.3921

CSS Examples

Text

The CSS property to change the color of the text to Yxy 31.2694, 0.2760, 0.4939 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(30, 174, 89)` looks like.

```
.text, #text, p{  
    color:rgb(30, 174, 89)  
}
```

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(30, 174, 89) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(30, 174, 89) }
```

Border

The CSS property to change the border of an element to Yxy 31.2694, 0.2760, 0.4939 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(30, 174, 89) }
```

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

```
.border{ border-color:rgb(30, 174, 89) }
```

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

Here you see how a box with a 4 pixel `rgb(30, 174, 89)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(30, 174, 89); -webkit-box-  
shadow:4px 4px 4px 4px rgb(30, 174, 89);  
box-shadow:4px 4px 4px 4px rgb(30, 174,  
89) }
```


Background

The CSS property to change the background color of an element to Yxy 31.2694, 0.2760, 0.4939 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(30, 174, 89) }
```

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

```
.background{ background-color: rgb(30, 174,  
89) }
```

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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