

Converting Colors

$Yxy(30.9914, 0.2816, 0.5129)$

Have a look what the booklet for
Yxy(30.9914, 0.2816, 0.5129)
contains.

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Color

Yxy(31.1126, 0.2814, 0.5126)

Conversions

Conversions Part 1

Format	Color
Hex	1EAE4F
RGB	30, 174, 79
RGB Percent	12%, 68%, 31%
CMY	0.8829, 0.3176, 0.6902
CMYK	0.83, 0.00, 0.55, 0.32
HSL	140°, 71%, 40%
HSV	140°, 83%, 68%
XYZ	17.0798, 31.1126, 12.5033
YIQ	120.1140, -55.3290, -60.0730

Conversions

Conversions Part 2

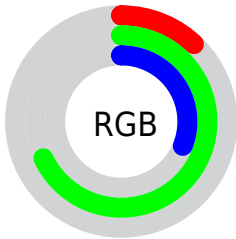
Format	Color
RYB	30, 137, 174
Decimal	2010703
CIELab	62.60, -56.65, 38.31
CIElCh	63, 68.389, 145.932
Yxy	31.1126, 0.2814, 0.5126
Android (android.graphics.Color)	4280200783 (0xFF1EAE4F)
YUV	120.1140, -20.2692, -79.0300
Hunter-Lab	55.7787, -42.9549, 25.7547

Details

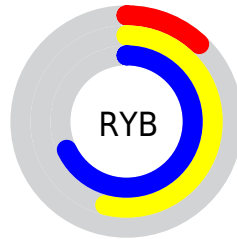
The Yxy color **31.1126, 0.2814, 0.5126** is a dark color, and the websafe version is hex **009933**. A complement of this color would be **11.3980, 0.4045, 0.2133**, and the grayscale version is **18.8876, 0.3127, 0.3290**.

A 20% lighter version of the original color is **61.5883, 0.2915, 0.4713**, and **13.5217, 0.2907, 0.5666** is the 20% darker color. If you saturate the color by 10%, you get **30.7686, 0.2836, 0.5345**, and if you desaturate by 10%, it is **31.6322, 0.2809, 0.4886**.

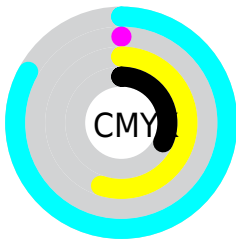
Distribution



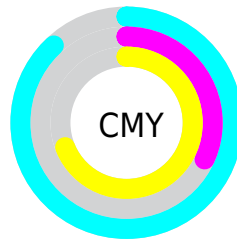
- Red (12%)
- Green (68%)
- Blue (31%)



- Red (12%)
- Yellow (54%)
- Blue (68%)



- Cyan (83%)
- Magenta (0%)
- Yellow (55%)
- Black (32%)





- Cyan (88%)
- Magenta (32%)
- Yellow (69%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 31.1126, 0.2814, 0.5126 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 31.1126, 0.2814, 0.5126 by changing the saturation by 10% instead.

 31.1126, 0.2814,
0.5126


 31.1126, 0.2814,
0.5126


307.0567, 0.3032,
0.4069


 20.6846, 0.2731,
0.5439


 61.4173, 0.2912,
0.4706


 12.8937, 0.2603,
0.5868


 82.0628, 0.2943,
0.4559

 7.3554, 0.2392,
0.6480


 106.8829, 0.2966,
0.4439

 3.6853, 0.2122,
0.7781

 136.2621, 0.2985,
0.4340

 1.4991, 0.0000,
1.0000

 170.5846, 0.3000,
0.4256

 0.2881, 0.0000,
1.0000

 210.2350, 0.3013,

 0.0000, 0.0000,

0.4185

0.0000

255.5976, 0.3023,
0.4123

■ 31.1126, 0.2814,
0.5126

■ 31.1126, 0.2814,
0.5126

■ 30.7686, 0.2836,
0.5345

■ 31.6322, 0.2809,
0.4886

■ 30.5946, 0.2857,
0.5485

■ 32.3458, 0.2821,
0.4634

■ 33.2734, 0.2848,
0.4382

■ 34.4316, 0.2888,
0.4138

■ 35.8351, 0.2937,
0.3909

■ 37.4975, 0.2992,
0.3697

■ 39.4313, 0.3050,
0.3506

■ 41.6482, 0.3110,
0.3335

■ 44.1592, 0.3170,
0.3184

Harmonies

Analogous

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



31.1126, 0.3796, 0.5269



31.1126, 0.2814, 0.5126



31.1126, 0.1968, 0.4065

Triad

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



31.1126, 0.2814, 0.5126



31.1126, 0.1623, 0.1783



31.1126, 0.5085, 0.3243

Complementary

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



31.1126, 0.2814, 0.5126



11.3980, 0.4045, 0.2133

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.



31.1126, 0.4272, 0.2592



31.1126, 0.2814, 0.5126



31.1126, 0.2199, 0.1795

Square

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



31.1126, 0.2814, 0.5126



31.1126, 0.1391, 0.2097



31.1126, 0.3143, 0.2079



31.1126, 0.5190, 0.3960

Rectangle

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



31.1126, 0.2814, 0.5126



31.1126, 0.1603, 0.3221



31.1126, 0.3143, 0.2079



31.1126, 0.4883, 0.3017

Sweetspot

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



31.1139, 0.2814, 0.5126



67.1790, 0.2977, 0.3750



34.8008, 0.3663, 0.5318



14.6980, 0.2958, 0.3823



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.



31.1139, 0.2814, 0.5126



55.4882, 0.2862, 0.5497



32.7507, 0.2407, 0.3723



8.9828, 0.3071, 0.3443



22.1982, 0.2851, 0.5465



0.6280, 0.2671, 0.4816

Inverse Universe

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



11.3980, 0.4045, 0.2133



18.5851, 0.4306, 0.2150



10.1862, 0.5592, 0.3065



8.1010, 0.3188, 0.3142



7.4306, 0.4282, 0.2133



0.2164, 0.3884, 0.1914

Previews

White Background



This preview shows how the Yxy color 31.1126, 0.2814, 0.5126 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 31.1126, 0.2814, 0.5126 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 31.1126, 0.2814, 0.5126

Background



This preview shows how black text looks on a background with the Yxy color 31.1126, 0.2814, 0.5126.



This preview shows how white text looks on a background with the Yxy color 31.1126, 0.2814, 0.5126.

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

31.1126, 0.2814, 0.5126

Protanopia

30.3746, 0.4054, 0.4434

Deuteranopia

30.4003, 0.4158, 0.4069



Tritanopia

31.1417, 0.2362, 0.3070

Trichromacy



Original Color

31.1126, 0.2814, 0.5126



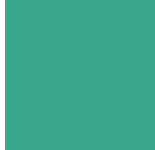
Protanomaly

29.0037, 0.3426, 0.4769



Deuteranomaly

28.2633, 0.3485, 0.4496



Tritanomaly

30.7982, 0.2519, 0.3785

Monochromacy



Original Color

31.1126, 0.2814, 0.5126



Achromatopsia

18.7821, 0.3127, 0.3290



Achromatomaly

21.8023, 0.2915, 0.4008

CSS Examples

Text

The CSS property to change the color of the text to Yxy 31.1126, 0.2814, 0.5126 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, 79)` looks like.

```
.text, #text, p{  
    color:rgb(30, 174, 79)  
}
```

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, 79) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(30, 174, 79) }
```

Border

The CSS property to change the border of an element to Yxy 31.1126, 0.2814, 0.5126 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, 79) }
```

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

```
.border{ border-color:rgb(30, 174, 79) }
```

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, 79)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(30, 174, 79); -webkit-box-  
shadow:4px 4px 4px 4px rgb(30, 174, 79);  
box-shadow:4px 4px 4px 4px rgb(30, 174,  
79) }
```


Background

The CSS property to change the background color of an element to Yxy 31.1126, 0.2814, 0.5126 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, 79) }
```

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

```
.background{ background-color: rgb(30, 174,  
79) }
```

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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