

Converting Colors

$Y_{xy}(30.7971, 0.2948, 0.5363)$

Have a look what the booklet for
Yxy(30.7971, 0.2948, 0.5363)
contains.

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Color

Yxy(30.8269, 0.2948, 0.5356)

Conversions

Conversions Part 1

Format	Color
Hex	2EAD3F
RGB	46, 173, 63
RGB Percent	18%, 68%, 25%
CMY	0.8197, 0.3216, 0.7528
CMYK	0.73, 0.00, 0.64, 0.32
HSL	128°, 58%, 43%
HSV	128°, 73%, 68%
XYZ	16.9675, 30.8269, 9.7615
YIQ	122.4870, -40.3820, -61.1340

Conversions

Conversions Part 2

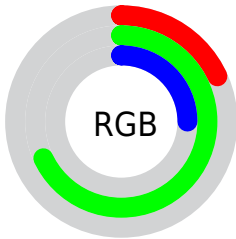
Format	Color
RYB	46, 158, 173
Decimal	3059007
CIELab	62.36, -56.23, 45.59
CIELCh	62, 72.393, 140.964
Yxy	30.8269, 0.2948, 0.5356
Android (android.graphics.Color)	4281249087 (0xFF2EAD3F)
YUV	122.4870, -29.3271, -67.0791
Hunter-Lab	55.5220, -42.6141, 28.4415

Details

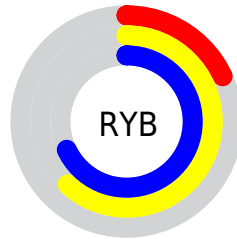
The Yxy color **30.8269, 0.2948, 0.5356** is a dark color, and the websafe version is hex **009933**. A complement of this color would be **13.2367, 0.3450, 0.1887**, and the grayscale version is **19.7378, 0.3127, 0.3290**.

A 20% lighter version of the original color is **61.2109, 0.3031, 0.4889**, and **13.2024, 0.2990, 0.5964** is the 20% darker color. If you saturate the color by 10%, you get **30.3589, 0.2950, 0.5606**, and if you desaturate by 10%, it is **31.5048, 0.2956, 0.5064**.

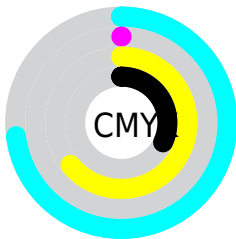
Distribution



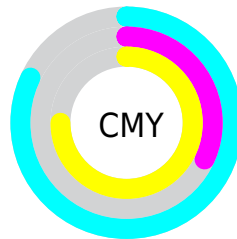
- Red (18%)
- Green (68%)
- Blue (25%)



- Red (18%)
- Yellow (62%)
- Blue (68%)



- Cyan (73%)
- Magenta (0%)
- Yellow (64%)
- Black (32%)





- Cyan (82%)
- Magenta (32%)
- Yellow (75%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 30.8269, 0.2948, 0.5356 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 30.8269, 0.2948, 0.5356 by changing the saturation by 10% instead.


 30.8269, 0.2948,
0.5356


 30.8269, 0.2948,
0.5356


305.7401, 0.3111,
0.4170


 20.4671, 0.2870,
0.5699


 60.9674, 0.3032,
0.4888


 12.7350, 0.2741,
0.6161


 81.5169, 0.3055,
0.4723


 7.2463, 0.2520,
0.6809


 106.2318, 0.3072,
0.4588

 3.6166, 0.2146,
0.7854

 135.4964, 0.3085,
0.4476

 1.4615, 0.0000,
1.0000

 169.6951, 0.3094,
0.4381

 0.2614, 0.0000,
1.0000

209.2124, 0.3101,

 0.0000, 0.0000,

0.4300

0.0000

254.4326, 0.3107,
0.4231

■ 30.8269, 0.2948,
0.5356

■ 30.8269, 0.2948,
0.5356

■ 30.3589, 0.2950,
0.5606

■ 31.5048, 0.2956,
0.5064

■ 30.0725, 0.2962,
0.5797

■ 32.4097, 0.2972,
0.4750

■ 29.9512, 0.2969,
0.5889

■ 33.5608, 0.2995,
0.4434

■ 34.9747, 0.3023,
0.4129

■ 36.6662, 0.3054,
0.3846

■ 38.6491, 0.3086,
0.3589

■ 40.9364, 0.3117,
0.3361

■ 43.5401, 0.3147,
0.3161

■ 46.4717, 0.3175,
0.2987

Harmonies

Analogous

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



30.8269, 0.3971, 0.5308



30.8269, 0.2948, 0.5356



30.8269, 0.2023, 0.4344

Triad

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



30.8269, 0.2948, 0.5356



30.8269, 0.1491, 0.1739



30.8269, 0.5106, 0.3108

Complementary

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



30.8269, 0.2948, 0.5356



13.2367, 0.3450, 0.1887

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.



30.8269, 0.4146, 0.2452



30.8269, 0.2948, 0.5356



30.8269, 0.2023, 0.1705

Square

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



30.8269, 0.2948, 0.5356



30.8269, 0.1307, 0.2124



30.8269, 0.2950, 0.1956



30.8269, 0.5332, 0.3837

Rectangle

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



30.8269, 0.2948, 0.5356



30.8269, 0.1600, 0.3419



30.8269, 0.2950, 0.1956



30.8269, 0.4852, 0.2878

Sweetspot

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



30.8282, 0.2948, 0.5356



66.0073, 0.3057, 0.3818



37.1604, 0.3912, 0.4985



14.1600, 0.3049, 0.3888



86.8899, 0.3127, 0.3290



16.2647, 0.3127, 0.3290

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



30.8282, 0.2948, 0.5356



54.0195, 0.2956, 0.5731



31.9865, 0.2584, 0.4162



8.9562, 0.3098, 0.3492



22.0077, 0.2966, 0.5877



0.6176, 0.2851, 0.5463

Inverse Universe

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



13.2367, 0.3450, 0.1887



20.7650, 0.3530, 0.1769



11.6201, 0.4666, 0.2689



8.1293, 0.3157, 0.3096



8.1458, 0.3573, 0.1742



0.2316, 0.3448, 0.1673

Previews

White Background



This preview shows how the Yxy color 30.8269, 0.2948, 0.5356 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 30.8269, 0.2948, 0.5356 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 30.8269, 0.2948, 0.5356

Background



This preview shows how black text looks on a background with the Yxy color 30.8269, 0.2948, 0.5356.



This preview shows how white text looks on a background with the Yxy color 30.8269, 0.2948, 0.5356.

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

30.8269, 0.2948, 0.5356

Protanopia

30.3137, 0.4175, 0.4592

Deuteranopia

30.0042, 0.4316, 0.4231



Tritanopia

30.6851, 0.2406, 0.3070

Trichromacy



Original Color

30.8269, 0.2948, 0.5356



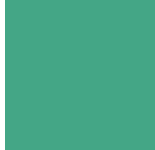
Protanomaly

28.9804, 0.3604, 0.4930



Deuteranomaly

28.2805, 0.3686, 0.4675



Tritanomaly

30.2226, 0.2610, 0.3882

Monochromacy



Original Color

30.8269, 0.2948, 0.5356



Achromatopsia

19.4618, 0.3127, 0.3290



Achromatomaly

22.3690, 0.3019, 0.4095

CSS Examples

Text

The CSS property to change the color of the text to Yxy 30.8269, 0.2948, 0.5356 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(46, 173, 63)` looks like.

```
.text, #text, p{  
    color:rgb(46, 173, 63)  
}
```

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(46, 173, 63) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(46, 173, 63) }
```

Border

The CSS property to change the border of an element to Yxy 30.8269, 0.2948, 0.5356 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(46, 173, 63) }
```

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

```
.border{ border-color:rgb(46, 173, 63) }
```

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

Here you see how a box with a 4 pixel `rgb(46, 173, 63)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(46, 173, 63); -webkit-box-  
shadow:4px 4px 4px 4px rgb(46, 173, 63);  
box-shadow:4px 4px 4px 4px rgb(46, 173,  
63) }
```


Background

The CSS property to change the background color of an element to Yxy 30.8269, 0.2948, 0.5356 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(46, 173, 63) }
```

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

```
.background{ background-color: rgb(46, 173,  
63) }
```

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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