

Converting Colors

$Yxy(29.4922, 0.3150, 0.4954)$

Have a look what the booklet for
Yxy(29.4922, 0.3150, 0.4954)
contains.

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Color

Yxy(29.4930, 0.3146, 0.4948)

Conversions

Conversions Part 1

Format	Color
Hex	58A54B
RGB	88, 165, 75
RGB Percent	35%, 65%, 29%
CMY	0.6548, 0.3529, 0.7059
CMYK	0.47, 0.00, 0.55, 0.35
HSL	111°, 37%, 47%
HSV	111°, 55%, 65%
XYZ	18.7520, 29.4930, 11.3609
YIQ	131.7170, -17.0020, -44.3140

Conversions

Conversions Part 2

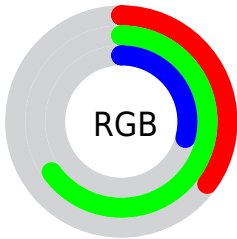
Format	Color
RYB	75, 165, 152
Decimal	5809483
CIELab	61.21, -41.74, 38.97
CIElCh	61, 57.109, 136.967
Yxy	29.4930, 0.3146, 0.4948
Android (android.graphics.Color)	4283999563 (0xFF58A54B)
YUV	131.7170, -27.9615, -38.3398
Hunter-Lab	54.3075, -33.4031, 25.6120

Details

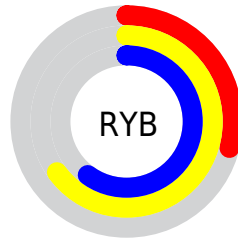
The Yxy color **29.4930, 0.3146, 0.4948** is a dark color, and the websafe version is hex **339933**. A complement of this color would be **14.4211, 0.3012, 0.1952**, and the grayscale version is **23.0777, 0.3127, 0.3290**.

A 20% lighter version of the original color is **59.0589, 0.3175, 0.4579**, and **11.9345, 0.3051, 0.5598** is the 20% darker color. If you saturate the color by 10%, you get **28.6733, 0.3132, 0.5268**, and if you desaturate by 10%, it is **30.5071, 0.3153, 0.4611**.

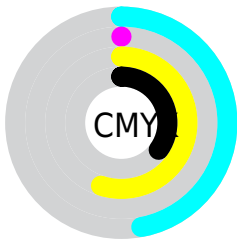
Distribution



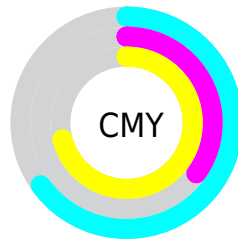
- Red (35%)
- Green (65%)
- Blue (29%)



- Red (29%)
- Yellow (65%)
- Blue (60%)



- Cyan (47%)
- Magenta (0%)
- Yellow (55%)
- Black (35%)




- Cyan (65%)
- Magenta (35%)
- Yellow (71%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 29.4930, 0.3146, 0.4948 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 29.4930, 0.3146, 0.4948 by changing the saturation by 10% instead.


 29.4930, 0.3146,
0.4948


 29.4930, 0.3146,
0.4948


299.5340, 0.3180,
0.4002


 19.4541, 0.3113,
0.5224


 58.8595, 0.3174,
0.4575


 11.9988, 0.3051,
0.5599


 78.9558, 0.3179,
0.4443


 6.7429, 0.2926,
0.6129


 103.1734, 0.3182,
0.4336

 3.3018, 0.2779,
0.7221

 131.8966, 0.3183,
0.4246

 1.2913, 0.1108,
0.8892

 165.5099, 0.3183,
0.4171

 0.1344, 0.0000,
1.0000

204.3976, 0.3182,

 0.0000, 0.0000,

0.4106

0.0000

248.9442, 0.3181,
0.4050

■ 29.4930, 0.3146,
0.4948

■ 29.4930, 0.3146,
0.4948

■ 28.6733, 0.3132,
0.5268

■ 30.5071, 0.3153,
0.4611

■ 28.0319, 0.3112,
0.5548

■ 31.7231, 0.3153,
0.4275

■ 27.5562, 0.3086,
0.5765

■ 33.1526, 0.3149,
0.3957

■ 27.2302, 0.3057,
0.5908

■ 34.8053, 0.3142,
0.3664

■ 27.1027, 0.3044,
0.5965

■ 36.6901, 0.3132,
0.3400

■ 38.8157, 0.3121,
0.3166

■ 41.1901, 0.3109,
0.2961

■ 43.8211, 0.3097,
0.2782

■ 46.7161, 0.3085,
0.2626

Harmonies

Analogous

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



29.4930, 0.3998, 0.4907



29.4930, 0.3146, 0.4948



29.4930, 0.2335, 0.4253

Triad

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



29.4930, 0.3146, 0.4948



29.4930, 0.1706, 0.2021



29.4930, 0.4645, 0.3097

Complementary

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



29.4930, 0.3146, 0.4948



14.4211, 0.3012, 0.1952

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.



29.4930, 0.3828, 0.2533



29.4930, 0.3146, 0.4948



29.4930, 0.2135, 0.1940

Square

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



29.4930, 0.3146, 0.4948



29.4930, 0.1587, 0.2426



29.4930, 0.2878, 0.2124



29.4930, 0.4949, 0.3735

Rectangle

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



29.4930, 0.3146, 0.4948



29.4930, 0.1931, 0.3558



29.4930, 0.2878, 0.2124



29.4930, 0.4415, 0.2898

Sweetspot

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



29.4942, 0.3146, 0.4948



61.7875, 0.3143, 0.3713



30.8015, 0.3998, 0.4409



13.3788, 0.3145, 0.3769



82.7571, 0.3127, 0.3290



14.7319, 0.3127, 0.3290

Same Dimension

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



29.4942, 0.3146, 0.4948



51.1420, 0.3130, 0.5317



29.4568, 0.2838, 0.4403



7.9420, 0.3137, 0.3521



20.5179, 0.3048, 0.5962



0.4444, 0.3225, 0.5821

Inverse Universe

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



14.4211, 0.3012, 0.1952



21.3677, 0.2973, 0.1720



14.7389, 0.3651, 0.2413



7.1500, 0.3115, 0.3067



6.3628, 0.2853, 0.1345



0.1470, 0.2991, 0.1421

Previews

White Background



This preview shows how the Yxy color 29.4930, 0.3146, 0.4948 looks on a white background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

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 29.4930, 0.3146, 0.4948 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 × Fail

If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 29.4930, 0.3146, 0.4948

Background



This preview shows how black text looks on a background with the Yxy color 29.4930, 0.3146, 0.4948.



This preview shows how white text looks on a background with the Yxy color 29.4930, 0.3146, 0.4948.

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

29.4930, 0.3146, 0.4948

Protanopia

29.0836, 0.4061, 0.4438

Deuteranopia

28.9491, 0.4186, 0.4109



Tritanopia

29.3340, 0.2591, 0.3073

Trichromacy



Original Color

29.4930, 0.3146, 0.4948

Protanomaly

28.8004, 0.3687, 0.4648

Deuteranomaly

28.1704, 0.3767, 0.4419

Tritanomaly

29.1702, 0.2799, 0.3737

Monochromacy



Original Color

29.4930, 0.3146, 0.4948

Achromatopsia

23.0740, 0.3127, 0.3290

Achromatomaly

24.8072, 0.3151, 0.3899

CSS Examples

Text

The CSS property to change the color of the text to Yxy 29.4930, 0.3146, 0.4948 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(88, 165, 75)` looks like.

```
.text, #text, p{  
    color:rgb(88, 165, 75)  
}
```

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(88, 165, 75) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(88, 165, 75) }
```

Border

The CSS property to change the border of an element to Yxy 29.4930, 0.3146, 0.4948 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(88, 165, 75) }
```

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

```
.border{ border-color:rgb(88, 165, 75) }
```

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

Here you see how a box with a 4 pixel `rgb(88, 165, 75)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(88, 165, 75); -webkit-box-  
shadow:4px 4px 4px 4px rgb(88, 165, 75);  
box-shadow:4px 4px 4px 4px rgb(88, 165,  
75) }
```


Background

The CSS property to change the background color of an element to Yxy 29.4930, 0.3146, 0.4948 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(88, 165, 75) }
```

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

```
.background{ background-color: rgb(88, 165,  
75) }
```

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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