

Converting Colors

$Y_{xy}(30.2872, 0.2971, 0.4933)$

Have a look what the booklet for
Yxy(30.2872, 0.2971, 0.4933)
contains.

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Color

Yxy(30.2872, 0.2971, 0.4933)

Conversions

Conversions Part 1

Format	Color
Hex	46A952
RGB	70, 169, 82
RGB Percent	27%, 66%, 32%
CMY	0.7252, 0.3373, 0.6784
CMYK	0.59, 0.00, 0.51, 0.34
HSL	127°, 41%, 47%
HSV	127°, 59%, 66%
XYZ	18.2411, 30.2872, 12.8688
YIQ	129.4810, -31.0770, -48.0450

Conversions

Conversions Part 2

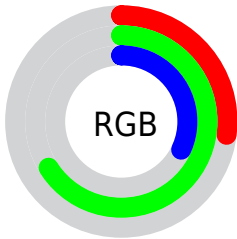
Format	Color
RYB	70, 158, 169
Decimal	4630866
CIELab	61.90, -47.37, 36.16
CIELCh	62, 59.598, 142.643
Yxy	30.2872, 0.2971, 0.4933
Android (android.graphics.Color)	4282820946 (0xFF46A952)
YUV	129.4810, -23.4081, -52.1648
Hunter-Lab	55.0338, -37.1449, 24.6596

Details

The Yxy color **30.2872, 0.2971, 0.4933** is a dark color, and the websafe version is hex **339933**. A complement of this color would be **15.2610, 0.3354, 0.2077**, and the grayscale version is **22.2305, 0.3127, 0.3290**.

A 20% lighter version of the original color is **60.0559, 0.3032, 0.4562**, and **12.6006, 0.2879, 0.5564** is the 20% darker color. If you saturate the color by 10%, you get **29.5429, 0.2959, 0.5240**, and if you desaturate by 10%, it is **31.2599, 0.2991, 0.4613**.

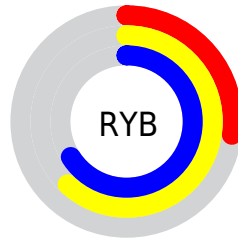
Distribution



Red (27%)

Green (66%)

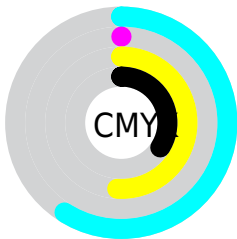
Blue (32%)



Red (27%)

Yellow (62%)

Blue (66%)

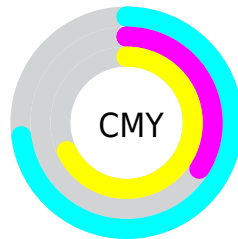


Cyan (59%)

Magenta (0%)

Yellow (51%)

Black (34%)



Cyan (73%)


Magenta (34%)

Yellow (68%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 30.2872, 0.2971, 0.4933 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 30.2872, 0.2971, 0.4933 by changing the saturation by 10% instead.


 30.2872, 0.2971,
0.4933


 30.2872, 0.2971,
0.4933


303.2409, 0.3096,
0.3991


 20.0567, 0.2916,
0.5211


 60.1161, 0.3032,
0.4560


 12.4363, 0.2827,
0.5593


 80.4832, 0.3050,
0.4429


 7.0415, 0.2671,
0.6141


 104.9980, 0.3063,
0.4322

 3.4881, 0.2479,
0.7287

 134.0449, 0.3073,
0.4234

 1.3915, 0.0644,
0.9356

 168.0082, 0.3081,
0.4159

 0.2105, 0.0000,
1.0000

207.2724, 0.3087,

 0.0000, 0.0000,

0.4095

0.0000

252.2218, 0.3092,
0.4040

■ 30.2872, 0.2971,
0.4933

■ 30.2872, 0.2971,
0.4933

■ 29.5429, 0.2959,
0.5240

■ 31.2599, 0.2991,
0.4613

■ 29.0048, 0.2955,
0.5512

■ 32.4737, 0.3015,
0.4296

■ 28.6527, 0.2961,
0.5731

■ 33.9446, 0.3043,
0.3997

■ 28.4503, 0.2972,
0.5885

■ 35.6864, 0.3073,
0.3723

■ 28.4260, 0.2973,
0.5903

■ 37.7117, 0.3103,
0.3477

■ 40.0324, 0.3131,
0.3260

■ 42.6598, 0.3159,
0.3070

■ 45.6044, 0.3184,
0.2906

■ 48.8764, 0.3208,
0.2764

Harmonies

Analogous

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



30.2872, 0.3857, 0.5018



30.2872, 0.2971, 0.4933



30.2872, 0.2174, 0.4089

Triad

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



30.2872, 0.2971, 0.4933



30.2872, 0.1726, 0.1946



30.2872, 0.4804, 0.3206

Complementary

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



30.2872, 0.2971, 0.4933



15.2610, 0.3354, 0.2077

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.



30.2872, 0.4035, 0.2610



30.2872, 0.2971, 0.4933



30.2872, 0.2225, 0.1920

Square

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



30.2872, 0.2971, 0.4933



30.2872, 0.1545, 0.2288



30.2872, 0.3044, 0.2156



30.2872, 0.4993, 0.3865

Rectangle

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



30.2872, 0.2971, 0.4933



30.2872, 0.1806, 0.3361



30.2872, 0.3044, 0.2156



30.2872, 0.4600, 0.2997

Sweetspot

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



30.2885, 0.2971, 0.4933



63.9875, 0.3074, 0.3717



36.0312, 0.3827, 0.4708



13.7444, 0.3065, 0.3791



84.8088, 0.3127, 0.3290



15.4872, 0.3127, 0.3290

Same Dimension

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



30.2885, 0.2971, 0.4933



52.6156, 0.2957, 0.5318



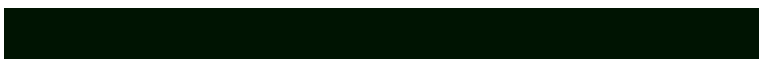
31.3199, 0.2649, 0.3985



8.4219, 0.3100, 0.3494



21.1916, 0.2970, 0.5892



0.5199, 0.2858, 0.5488

Inverse Universe

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



15.2610, 0.3354, 0.2077



23.1853, 0.3413, 0.1895



13.9071, 0.4176, 0.2731



7.6508, 0.3155, 0.3094



7.8998, 0.3533, 0.1720



0.1964, 0.3412, 0.1653

Previews

White Background



This preview shows how the Yxy color 30.2872, 0.2971, 0.4933 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 30.2872, 0.2971, 0.4933 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 30.2872, 0.2971, 0.4933

Background



This preview shows how black text looks on a background with the Yxy color 30.2872, 0.2971, 0.4933.



This preview shows how white text looks on a background with the Yxy color 30.2872, 0.2971, 0.4933.

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

30.2872, 0.2971, 0.4933

Protanopia

29.8954, 0.4006, 0.4383

Deuteranopia

29.7706, 0.4113, 0.4041



Tritanopia

30.1020, 0.2485, 0.3071

Trichromacy



Original Color

30.2872, 0.2971, 0.4933



Protanomaly

29.0728, 0.3557, 0.4602



Deuteranomaly

28.7038, 0.3621, 0.4381



Tritanomaly

29.9898, 0.2669, 0.3722

Monochromacy



Original Color

30.2872, 0.2971, 0.4933



Achromatopsia

22.3228, 0.3127, 0.3290



Achromatomaly

24.3269, 0.3049, 0.3875

CSS Examples

Text

The CSS property to change the color of the text to Yxy 30.2872, 0.2971, 0.4933 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(70, 169, 82)` looks like.

```
.text, #text, p{  
    color:rgb(70, 169, 82)  
}
```

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(70, 169, 82) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(70, 169, 82) }
```

Border

The CSS property to change the border of an element to Yxy 30.2872, 0.2971, 0.4933 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(70, 169, 82) }
```

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

```
.border{ border-color:rgb(70, 169, 82) }
```

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

Here you see how a box with a 4 pixel `rgb(70, 169, 82)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(70, 169, 82); -webkit-box-  
shadow:4px 4px 4px 4px rgb(70, 169, 82);  
box-shadow:4px 4px 4px 4px rgb(70, 169,  
82) }
```


Background

The CSS property to change the background color of an element to Yxy 30.2872, 0.2971, 0.4933 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(70, 169, 82) }
```

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

```
.background{ background-color: rgb(70, 169,  
82) }
```

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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