

Converting Colors

$Yxy(30.4025, 0.2868, 0.4660)$

Have a look what the booklet for
Yxy(30.4025, 0.2868, 0.4660)
contains.

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Color

Yxy(30.4679, 0.2864, 0.4659)

Conversions

Conversions Part 1

Format	Color
Hex	44A961
RGB	68, 169, 97
RGB Percent	27%, 66%, 38%
CMY	0.7333, 0.3372, 0.6197
CMYK	0.60, 0.00, 0.43, 0.34
HSL	137°, 43%, 46%
HSV	137°, 60%, 66%
XYZ	18.7294, 30.4679, 16.1985
YIQ	130.5930, -37.0840, -43.8040

Conversions

Conversions Part 2

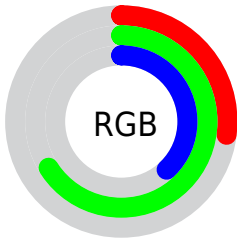
Format	Color
RYB	68, 146, 169
Decimal	4499809
CIELab	62.06, -45.49, 28.60
CIELCh	62, 53.735, 147.837
Yxy	30.4679, 0.2864, 0.4659
Android (android.graphics.Color)	4282689889 (0xFF44A961)
YUV	130.5930, -16.5613, -54.8941
Hunter-Lab	55.1977, -36.0285, 21.2389

Details

The Yxy color **30.4679, 0.2864, 0.4659** is a dark color, and the websafe version is hex **339966**. A complement of this color would be **14.4653, 0.3618, 0.2259**, and the grayscale version is **22.6153, 0.3127, 0.3290**.

A 20% lighter version of the original color is **60.3485, 0.2939, 0.4354**, and **12.7125, 0.2774, 0.5186** is the 20% darker color. If you saturate the color by 10%, you get **29.7385, 0.2849, 0.4928**, and if you desaturate by 10%, it is **31.4091, 0.2892, 0.4390**.

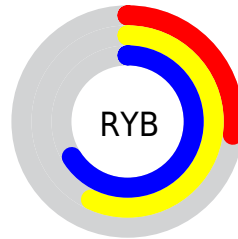
Distribution



Red (27%)

Green (66%)

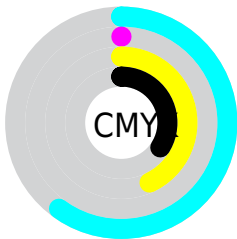
Blue (38%)



Red (27%)

Yellow (57%)

Blue (66%)

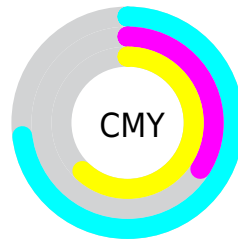


Cyan (60%)

Magenta (0%)

Yellow (43%)

Black (34%)



Cyan (73%)


Magenta (34%)

Yellow (62%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 30.4679, 0.2864, 0.4659 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 30.4679, 0.2864, 0.4659 by changing the saturation by 10% instead.


 30.4679, 0.2864,
0.4659


 30.4679, 0.2864,
0.4659


304.0794, 0.3033,
0.3877


 20.1940, 0.2805,
0.4892


 60.4014, 0.2937,
0.4348


 12.5361, 0.2715,
0.5215

 80.8297, 0.2961,
0.4240

 7.1099, 0.2570,
0.5690


 105.4117, 0.2979,
0.4151

 3.5309, 0.2321,
0.6471

 134.5316, 0.2994,
0.4078

 1.4148, 0.1005,
0.8995

 168.5740, 0.3007,
0.4016

 0.2276, 0.0000,
1.0000

207.9231, 0.3017,

 0.0000, 0.0000,

0.3963

0.0000

252.9635, 0.3026,
0.3917

■ 30.4679, 0.2864,
0.4659

■ 30.4679, 0.2864,
0.4659

■ 29.7385, 0.2849,
0.4928

■ 31.4091, 0.2892,
0.4390

■ 29.2002, 0.2850,
0.5184

■ 32.5735, 0.2930,
0.4130

■ 28.8342, 0.2866,
0.5415

■ 33.9760, 0.2975,
0.3887

■ 28.5995, 0.2893,
0.5611

■ 35.6292, 0.3024,
0.3665

■ 28.5944, 0.2893,
0.5616

■ 37.5447, 0.3076,
0.3464

■ 39.7335, 0.3128,
0.3286

■ 42.2059, 0.3180,
0.3129

■ 44.9717, 0.3229,
0.2992

■ 48.0401, 0.3277,
0.2872

Harmonies

Analogous

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



30.4679, 0.3678, 0.4883



30.4679, 0.2864, 0.4659



30.4679, 0.2166, 0.3840

Triad

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



30.4679, 0.2864, 0.4659



30.4679, 0.1899, 0.2035



30.4679, 0.4711, 0.3334

Complementary

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



30.4679, 0.2864, 0.4659



14.4653, 0.3618, 0.2259

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.



30.4679, 0.4093, 0.2762



30.4679, 0.2864, 0.4659



30.4679, 0.2418, 0.2051

Square

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



30.4679, 0.2864, 0.4659



30.4679, 0.1679, 0.2306



30.4679, 0.3210, 0.2309



30.4679, 0.4799, 0.3953

Rectangle

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



30.4679, 0.2864, 0.4659



30.4679, 0.1858, 0.3206



30.4679, 0.3210, 0.2309



30.4679, 0.4556, 0.3135

Sweetspot

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



30.4692, 0.2864, 0.4659



64.2703, 0.3032, 0.3634



34.4038, 0.3665, 0.4828



13.8131, 0.3017, 0.3694



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.



30.4692, 0.2864, 0.4659



52.8799, 0.2848, 0.5020



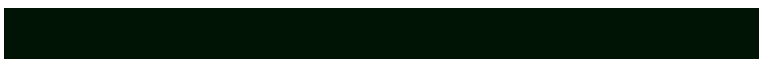
31.7168, 0.2535, 0.3680



8.4418, 0.3079, 0.3455



21.3187, 0.2888, 0.5598



0.5274, 0.2701, 0.4923

Inverse Universe

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



14.4653, 0.3618, 0.2259



21.5435, 0.3775, 0.2105



13.3074, 0.4532, 0.2975



7.6294, 0.3179, 0.3130



7.3162, 0.4079, 0.2020



0.1862, 0.3734, 0.1830

Previews

White Background



This preview shows how the Yxy color 30.4679, 0.2864, 0.4659 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 30.4679, 0.2864, 0.4659 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

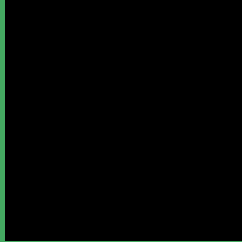
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 30.4679, 0.2864, 0.4659

Background



This preview shows how black text looks on a background with the Yxy color 30.4679, 0.2864, 0.4659.



This preview shows how white text looks on a background with the Yxy color 30.4679, 0.2864, 0.4659.

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

30.4679, 0.2864, 0.4659

Protanopia

30.0027, 0.3871, 0.4200

Deuteranopia

30.0892, 0.3940, 0.3870



Tritanopia

30.2826, 0.2457, 0.3071

Trichromacy



Original Color

30.4679, 0.2864, 0.4659



Protanomaly

29.1388, 0.3421, 0.4388



Deuteranomaly

28.7993, 0.3464, 0.4146



Tritanomaly

29.9880, 0.2602, 0.3612

Monochromacy



Original Color

30.4679, 0.2864, 0.4659



Achromatopsia

22.6966, 0.3127, 0.3290



Achromatomaly

24.7709, 0.2993, 0.3776

CSS Examples

Text

The CSS property to change the color of the text to Yxy 30.4679, 0.2864, 0.4659 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(68, 169, 97)` looks like.

```
.text, #text, p{  
    color:rgb(68, 169, 97)  
}
```

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(68, 169, 97) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(68, 169, 97) }
```

Border

The CSS property to change the border of an element to Yxy 30.4679, 0.2864, 0.4659 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(68, 169, 97) }
```

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

```
.border{ border-color:rgb(68, 169, 97) }
```

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

Here you see how a box with a 4 pixel `rgb(68, 169, 97)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(68, 169, 97); -webkit-box-  
shadow:4px 4px 4px 4px rgb(68, 169, 97);  
box-shadow:4px 4px 4px 4px rgb(68, 169,  
97) }
```


Background

The CSS property to change the background color of an element to Yxy 30.4679, 0.2864, 0.4659 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(68, 169, 97) }
```

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

```
.background{ background-color: rgb(68, 169,  
97) }
```

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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