

Converting Colors

$Yxy(32.9919, 0.2888, 0.4270)$

Have a look what the booklet for
Yxy(32.9919, 0.2888, 0.4270)
contains.

Yxy(33.0647, 0.2888, 0.4268)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(33.0647, 0.2888, 0.4268)

Conversions

Conversions Part 1

Format	Color
Hex	5CAC75
RGB	92, 172, 117
RGB Percent	36%, 67%, 46%
CMY	0.6394, 0.3255, 0.5412
CMYK	0.47, 0.00, 0.32, 0.33
HSL	139°, 33%, 52%
HSV	139°, 47%, 67%
XYZ	22.3737, 33.0647, 22.0328
YIQ	141.8100, -30.0250, -34.0650

Conversions

Conversions Part 2

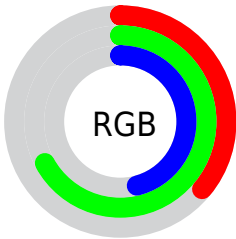
Format	Color
RYB	92, 153, 172
Decimal	6073461
CIELab	64.21, -37.02, 20.88
CIElCh	64, 42.506, 150.577
Yxy	33.0647, 0.2888, 0.4268
Android (android.graphics.Color)	4284263541 (0xFF5CAC75)
YUV	141.8100, -12.2313, -43.6834
Hunter-Lab	57.5019, -31.1750, 17.5334

Details

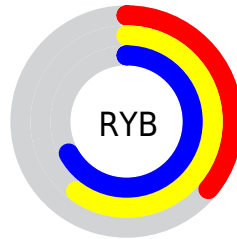
The Yxy color **33.0647, 0.2888, 0.4268** is a dark color, and the websafe version is hex **339966**. A complement of this color would be **18.5237, 0.3508, 0.2489**, and the grayscale version is **27.0259, 0.3127, 0.3290**.

A 20% lighter version of the original color is **64.4624, 0.2946, 0.4061**, and **13.9861, 0.2782, 0.4649** is the 20% darker color. If you saturate the color by 10%, you get **32.0183, 0.2855, 0.4526**, and if you desaturate by 10%, it is **34.3500, 0.2931, 0.4022**.

Distribution



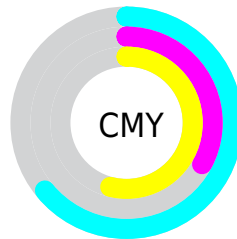
- Red (36%)
- Green (67%)
- Blue (46%)



- Red (36%)
- Yellow (60%)
- Blue (67%)



- Cyan (47%)
- Magenta (0%)
- Yellow (32%)
- Black (33%)




- Cyan (64%)
- Magenta (33%)
- Yellow (54%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 33.0647, 0.2888, 0.4268 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 33.0647, 0.2888, 0.4268 by changing the saturation by 10% instead.


 33.0647, 0.2888,
0.4268


 33.0647, 0.2888,
0.4268


315.9412, 0.3029,
0.3723

 22.1760, 0.2844,
0.4426


 64.4765, 0.2945,
0.4055


 13.9863, 0.2781,
0.4642


 85.7685, 0.2965,
0.3979

 8.1111, 0.2684,
0.4958


 111.2969, 0.2981,
0.3917

 4.1661, 0.2521,
0.5453

 141.4463, 0.2994,
0.3866

 1.7669, 0.2265,
0.6764

176.6011, 0.3005,
0.3822

 0.4664, 0.0000,
1.0000

217.1455, 0.3014,

 0.0000, 0.0000,

0.3784

0.0000

263.4641, 0.3022,
0.3751

■ 33.0647, 0.2888,
0.4268

■ 33.0647, 0.2888,
0.4268

■ 32.0183, 0.2855,
0.4526

■ 34.3500, 0.2931,
0.4022

■ 31.1916, 0.2834,
0.4788

■ 35.8839, 0.2981,
0.3794

■ 30.5691, 0.2830,
0.5044


■ 37.6803, 0.3035,
0.3587


■ 30.1313, 0.2841,
0.5282

■ 39.7511, 0.3091,
0.3400


■ 29.8516, 0.2867,
0.5490

■ 42.1074, 0.3146,
0.3235

 29.7733, 0.2877,
0.5556

 44.7595, 0.3201,
0.3090

 47.7174, 0.3254,
0.2963

 50.9905, 0.3304,
0.2852

 54.5879, 0.3352,
0.2756

Harmonies

Analogous

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



33.0647, 0.3534, 0.4512



33.0647, 0.2888, 0.4268



33.0647, 0.2340, 0.3649

Triad

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



33.0647, 0.2888, 0.4268



33.0647, 0.2175, 0.2280



33.0647, 0.4373, 0.3402

Complementary

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



33.0647, 0.2888, 0.4268



18.5237, 0.3508, 0.2489

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.



33.0647, 0.3930, 0.2920



33.0647, 0.2888, 0.4268



33.0647, 0.2626, 0.2303

Square

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



33.0647, 0.2888, 0.4268



33.0647, 0.1968, 0.2496



33.0647, 0.3265, 0.2532



33.0647, 0.4425, 0.3905

Rectangle

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



33.0647, 0.2888, 0.4268



33.0647, 0.2098, 0.3185



33.0647, 0.3265, 0.2532



33.0647, 0.4264, 0.3236

Sweetspot

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



33.0661, 0.2888, 0.4268



69.1648, 0.3048, 0.3542



36.5758, 0.3562, 0.4509



14.8689, 0.3036, 0.3583



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.



33.0661, 0.2888, 0.4268



58.0009, 0.2854, 0.4538



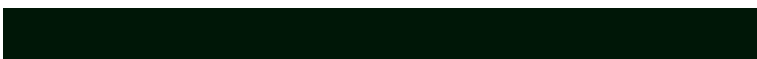
34.1819, 0.2619, 0.3558



8.9791, 0.3075, 0.3450



22.1624, 0.2871, 0.5537



0.6265, 0.2693, 0.4894

Inverse Universe

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



18.5237, 0.3508, 0.2489



28.2913, 0.3629, 0.2330



17.5003, 0.4105, 0.3051



8.1048, 0.3183, 0.3135



7.5137, 0.4176, 0.2074



0.2183, 0.3820, 0.1878

Previews

White Background



This preview shows how the Yxy color 33.0647, 0.2888, 0.4268 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 33.0647, 0.2888, 0.4268 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 33.0647, 0.2888, 0.4268

Background



This preview shows how black text looks on a background with the Yxy color 33.0647, 0.2888, 0.4268.



This preview shows how white text looks on a background with the Yxy color 33.0647, 0.2888, 0.4268.

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

33.0647, 0.2888, 0.4268

Protanopia

32.7623, 0.3693, 0.3978

Deuteranopia

32.7238, 0.3743, 0.3676



Tritanopia

32.8294, 0.2545, 0.3065

Trichromacy



Original Color

33.0647, 0.2888, 0.4268

Protanomaly

32.2350, 0.3358, 0.4087

Deuteranomaly

31.8596, 0.3389, 0.3878

Tritanomaly

32.8044, 0.2667, 0.3473

Monochromacy



Original Color

33.0647, 0.2888, 0.4268

Achromatopsia

27.0498, 0.3127, 0.3290

Achromatomaly

28.7610, 0.3023, 0.3632

CSS Examples

Text

The CSS property to change the color of the text to Yxy 33.0647, 0.2888, 0.4268 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(92, 172, 117)` looks like.

```
.text, #text, p{  
    color:rgb(92, 172, 117)  
}
```

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(92, 172, 117) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(92, 172, 117) }
```

Border

The CSS property to change the border of an element to Yxy 33.0647, 0.2888, 0.4268 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(92, 172, 117) }
```

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

```
.border{ border-color:rgb(92, 172, 117) }
```

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

Here you see how a box with a 4 pixel `rgb(92, 172, 117)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(92, 172, 117); -webkit-box-  
shadow:4px 4px 4px 4px rgb(92, 172, 117);  
box-shadow:4px 4px 4px 4px rgb(92, 172,  
117) }
```


Background

The CSS property to change the background color of an element to Yxy 33.0647, 0.2888, 0.4268 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(92, 172, 117) }
```

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

```
.background{ background-color: rgb(92, 172,  
117) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor