

Converting Colors

$Y_{xy}(29.8774, 0.3341, 0.4141)$

Have a look what the booklet for
Yxy(29.8774, 0.3341, 0.4141)
contains.

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Color

Yxy(29.7231, 0.3342, 0.4138)

Conversions

Conversions Part 1

Format	Color
Hex	849C6A
RGB	132, 156, 106
RGB Percent	52%, 61%, 42%
CMY	0.4823, 0.3882, 0.5844
CMYK	0.15, 0.00, 0.32, 0.39
HSL	89°, 20%, 51%
HSV	89°, 32%, 61%
XYZ	24.0055, 29.7231, 18.1011
YIQ	143.1240, 1.7460, -20.6380

Conversions

Conversions Part 2

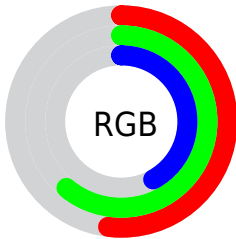
Format	Color
RYB	106, 156, 130
Decimal	8690794
CIELab	61.41, -17.63, 23.50
CIELCh	61, 29.380, 126.875
Yxy	29.7231, 0.3342, 0.4138
Android (android.graphics.Color)	4286880874 (0xFF849C6A)
YUV	143.1240, -18.3021, -9.7557
Hunter-Lab	54.5189, -16.8119, 18.4781

Details

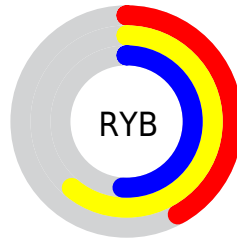
The Yxy color $29.7231, 0.3342, 0.4138$ is a dark color, and the websafe version is hex 999966 . A complement of this color would be $17.4477, 0.2845, 0.2438$, and the grayscale version is $27.5946, 0.3127, 0.3290$.

A 20% lighter version of the original color is $59.4963, 0.3305, 0.3955$, and $12.2025, 0.3397, 0.4459$ is the 20% darker color. If you saturate the color by 10%, you get $28.8470, 0.3398, 0.4428$, and if you desaturate by 10%, it is $30.7041, 0.3278, 0.3856$.

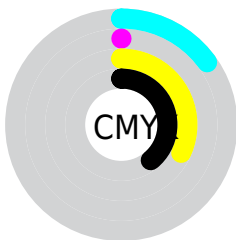
Distribution



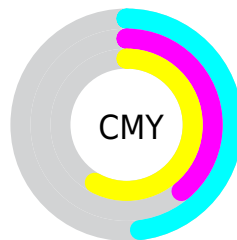
- Red (52%)
- Green (61%)
- Blue (42%)



- Red (42%)
- Yellow (61%)
- Blue (51%)



- Cyan (15%)
- Magenta (0%)
- Yellow (32%)
- Black (39%)





- Cyan (48%)
- Magenta (39%)
- Yellow (58%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 29.7231, 0.3342, 0.4138 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 29.7231, 0.3342, 0.4138 by changing the saturation by 10% instead.


 29.7231, 0.3342,
0.4138


 29.7231, 0.3342,
0.4138


300.6116, 0.3237,
0.3668


 19.6285, 0.3366,
0.4272


 59.2240, 0.3305,
0.3955


 12.1253, 0.3393,
0.4456


 79.3991, 0.3291,
0.3890

 6.8291, 0.3422,
0.4719


 103.7032, 0.3279,
0.3837

 3.3554, 0.3442,
0.5125

 132.5206, 0.3268,
0.3792

 1.3200, 0.3686,
0.6314

166.2357, 0.3259,
0.3754

 0.1566, 0.0000,
1.0000

205.2330, 0.3250,

 0.0000, 0.0000,

0.3721

0.0000

249.8969, 0.3243,
0.3693

■ 29.7231, 0.3342,
0.4138

■ 29.7231, 0.3342,
0.4138

■ 28.8470, 0.3398,
0.4428

■ 30.7041, 0.3278,
0.3856

■ 28.0678, 0.3443,
0.4716

■ 31.7900, 0.3210,
0.3588

■ 27.3824, 0.3473,
0.4989


■ 32.9857, 0.3141,
0.3339


■ 26.7859, 0.3482,
0.5234


■ 34.2946, 0.3073,
0.3111

■ 26.2729, 0.3471,
0.5436

■ 35.7199, 0.3008,
0.2904

 25.8370, 0.3438,
0.5587

 37.2649, 0.2945,
0.2718

 25.5350, 0.3403,
0.5680

 38.9323, 0.2886,
0.2552

 40.7253, 0.2831,
0.2403

 42.6464, 0.2780,
0.2270

Harmonies

Analogous

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



29.7231, 0.3773, 0.4098



29.7231, 0.3342, 0.4138



29.7231, 0.2873, 0.3894

Triad

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



29.7231, 0.3342, 0.4138



29.7231, 0.2282, 0.2668



29.7231, 0.3787, 0.3099

Complementary

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



29.7231, 0.3342, 0.4138



17.4477, 0.2845, 0.2438

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.



29.7231, 0.3338, 0.2780



29.7231, 0.3342, 0.4138



29.7231, 0.2483, 0.2531

Square

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



29.7231, 0.3342, 0.4138



29.7231, 0.2284, 0.2991



29.7231, 0.2858, 0.2577



29.7231, 0.4051, 0.3475

Rectangle

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



29.7231, 0.3342, 0.4138



29.7231, 0.2602, 0.3608



29.7231, 0.2858, 0.2577



29.7231, 0.3651, 0.2983

Sweetspot

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



29.7244, 0.3342, 0.4138



58.1274, 0.3197, 0.3540



23.8942, 0.3720, 0.3672



12.7306, 0.3206, 0.3573



78.7412, 0.3127, 0.3290



13.2868, 0.3127, 0.3290

Same Dimension

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



29.7244, 0.3342, 0.4138



52.8998, 0.3381, 0.4332



27.9843, 0.3100, 0.4204



7.5623, 0.3191, 0.3516



21.0527, 0.3408, 0.5676



0.4016, 0.3716, 0.5431

Inverse Universe

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



17.4477, 0.2845, 0.2438



27.2614, 0.2770, 0.2243



19.6070, 0.3143, 0.2511



6.5835, 0.3059, 0.3064



3.2241, 0.2004, 0.0878



0.0827, 0.2460, 0.1129

Previews

White Background



This preview shows how the Yxy color 29.7231, 0.3342, 0.4138 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 29.7231, 0.3342, 0.4138 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

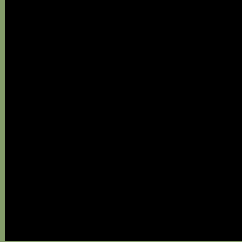
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 29.7231, 0.3342, 0.4138

Background



This preview shows how black text looks on a background with the Yxy color 29.7231, 0.3342, 0.4138.



This preview shows how white text looks on a background with the Yxy color 29.7231, 0.3342, 0.4138.

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

29.7231, 0.3342, 0.4138

Protanopia

29.6327, 0.3708, 0.3990

Deuteranopia

29.5641, 0.3848, 0.3777



Tritanopia

29.6436, 0.2928, 0.3101

Trichromacy



Original Color

29.7231, 0.3342, 0.4138

Protanomaly

29.6167, 0.3572, 0.4046

Deuteranomaly

29.3211, 0.3651, 0.3901

Tritanomaly

29.6979, 0.3079, 0.3470

Monochromacy



Original Color

29.7231, 0.3342, 0.4138

Achromatopsia

27.4677, 0.3127, 0.3290

Achromatomaly

28.2805, 0.3207, 0.3589

CSS Examples

Text

The CSS property to change the color of the text to Yxy 29.7231, 0.3342, 0.4138 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(132, 156, 106)` looks like.

```
.text, #text, p{  
    color:rgb(132, 156, 106)  
}
```

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(132, 156, 106) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(132, 156, 106) }
```

Border

The CSS property to change the border of an element to Yxy 29.7231, 0.3342, 0.4138 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(132, 156, 106) }
```

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

```
.border{ border-color:rgb(132, 156, 106) }
```

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

Here you see how a box with a 4 pixel rgb(132, 156, 106) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(132, 156, 106); -webkit-box-  
shadow:4px 4px 4px 4px rgb(132, 156, 106);  
box-shadow:4px 4px 4px 4px rgb(132, 156,  
106) }
```


Background

The CSS property to change the background color of an element to Yxy 29.7231, 0.3342, 0.4138 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(132, 156, 106) }
```

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

```
.background{ background-color: rgb(132,  
156, 106) }
```

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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