

Converting Colors

$Y_{xy}(13.1797, 0.2900, 0.4312)$

Have a look what the booklet for
Yxy(13.1797, 0.2900, 0.4312)
contains.

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Color

Yxy(13.2042, 0.2899, 0.4308)

Conversions

Conversions Part 1

Format	Color
Hex	3A714A
RGB	58, 113, 74
RGB Percent	23%, 44%, 29%
CMY	0.7726, 0.5568, 0.7098
CMYK	0.49, 0.00, 0.35, 0.56
HSL	137°, 32%, 34%
HSV	137°, 49%, 44%
XYZ	8.8856, 13.2042, 8.5607
YIQ	92.1090, -20.2610, -23.7890

Conversions

Conversions Part 2

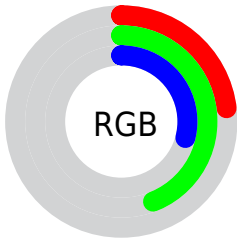
Format	Color
RYB	58, 101, 113
Decimal	3830090
CIELab	43.07, -27.68, 16.16
CIELCh	43, 32.056, 149.720
Yxy	13.2042, 0.2899, 0.4308
Android (android.graphics.Color)	4282020170 (0xFF3A714A)
YUV	92.1090, -8.9277, -29.9136
Hunter-Lab	36.3376, -19.9425, 11.4684

Details

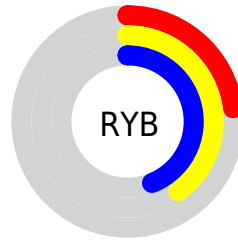
The Yxy color **13.2042, 0.2899, 0.4308** is a dark color, and the websafe version is hex **336633**. A complement of this color would be **7.3980, 0.3487, 0.2461**, and the grayscale version is **10.7529, 0.3127, 0.3290**.

A 20% lighter version of the original color is **31.5915, 0.2972, 0.4023**, and **3.7799, 0.2723, 0.4889** is the 20% darker color. If you saturate the color by 10%, you get **12.8014, 0.2869, 0.4564**, and if you desaturate by 10%, it is **13.6962, 0.2938, 0.4063**.

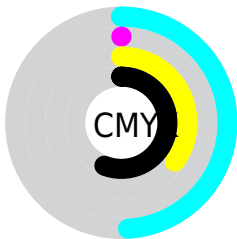
Distribution



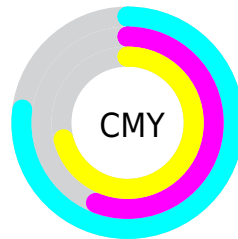
- Red (23%)
- Green (44%)
- Blue (29%)



- Red (23%)
- Yellow (40%)
- Blue (44%)



- Cyan (49%)
- Magenta (0%)
- Yellow (35%)
- Black (56%)




- Cyan (77%)
- Magenta (56%)
- Yellow (71%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 13.2042, 0.2899, 0.4308 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 13.2042, 0.2899, 0.4308 by changing the saturation by 10% instead.


 13.2042, 0.2899,
0.4308


 13.2042, 0.2899,
0.4308


212.2222, 0.3052,
0.3664


 7.5693, 0.2836,
0.4545


 31.6702, 0.2969,
0.4028

 3.8206, 0.2728,
0.4920

 45.2700, 0.2990,
0.3938


 1.5737, 0.2573,
0.5789

 62.2936, 0.3007,
0.3868

 0.3398, 0.0000,
1.0000

 83.1254, 0.3020,
0.3811

 0.0000, 0.0000,
0.0000

 108.1498, 0.3030,
0.3765

 137.7511, 0.3039,

0.3726

172.3138, 0.3046,
0.3693

■ 13.2042, 0.2899,
0.4308

■ 13.2042, 0.2899,
0.4308

■ 12.8014, 0.2869,
0.4564

■ 13.6962, 0.2938,
0.4063

■ 12.4806, 0.2850,
0.4823

■ 14.2808, 0.2983,
0.3835

■ 12.2365, 0.2845,
0.5075


■ 14.9630, 0.3032,
0.3626

■ 12.0621, 0.2854,
0.5308

■ 15.7472, 0.3083,
0.3437

■ 11.9360, 0.2871,
0.5517


■ 16.6373, 0.3134,
0.3269

 11.9205, 0.2873,
0.5542

 17.6371, 0.3184,
0.3120

 18.7503, 0.3232,
0.2990

 19.9804, 0.3278,
0.2875

 21.3305, 0.3322,
0.2775

Harmonies

Analogous

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



13.2042, 0.3559, 0.4543



13.2042, 0.2899, 0.4308



13.2042, 0.2335, 0.3678

Triad

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



13.2042, 0.2899, 0.4308



13.2042, 0.2145, 0.2261



13.2042, 0.4395, 0.3387

Complementary

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



13.2042, 0.2899, 0.4308



7.3980, 0.3487, 0.2461

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.



13.2042, 0.3932, 0.2898



13.2042, 0.2899, 0.4308



13.2042, 0.2598, 0.2279

Square

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



13.2042, 0.2899, 0.4308



13.2042, 0.1942, 0.2487



13.2042, 0.3247, 0.2507



13.2042, 0.4459, 0.3901

Rectangle

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



13.2042, 0.2899, 0.4308



13.2042, 0.2083, 0.3200



13.2042, 0.3247, 0.2507



13.2042, 0.4280, 0.3218

Sweetspot

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



13.2047, 0.2899, 0.4308



27.2332, 0.3049, 0.3561



14.6807, 0.3578, 0.4511



6.2476, 0.3041, 0.3593



58.7016, 0.3127, 0.3290



6.8385, 0.3127, 0.3290

Same Dimension

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



13.2047, 0.2899, 0.4308



22.8663, 0.2867, 0.4586



13.6514, 0.2626, 0.3584



3.7777, 0.3081, 0.3443



13.5177, 0.2876, 0.5553



67.2044, 0.2902, 0.5646

Inverse Universe

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



7.3980, 0.3487, 0.2461



11.1725, 0.3599, 0.2298



6.9763, 0.4093, 0.3029



3.4377, 0.3176, 0.3142



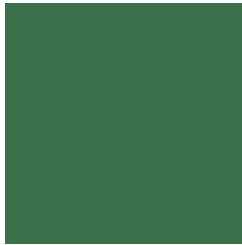
4.6372, 0.4074, 0.2018



22.9446, 0.4133, 0.2051

Previews

White Background



This preview shows how the Yxy color 13.2042, 0.2899, 0.4308 looks on a white 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

Black Background



This preview shows how the Yxy color 13.2042, 0.2899, 0.4308 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

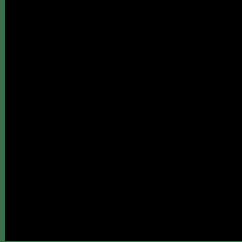
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 13.2042, 0.2899, 0.4308

Background



This preview shows how black text looks on a background with the Yxy color 13.2042, 0.2899, 0.4308.



This preview shows how white text looks on a background with the Yxy color 13.2042, 0.2899, 0.4308.

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

13.2042, 0.2899, 0.4308

Protanopia

13.0520, 0.3716, 0.3989

Deuteranopia

13.0214, 0.3756, 0.3689



Tritanopia

13.2150, 0.2558, 0.3101

Trichromacy



Original Color

13.2042, 0.2899, 0.4308

Protanomaly

12.7822, 0.3371, 0.4102

Deuteranomaly

12.7777, 0.3390, 0.3896

Tritanomaly

13.1814, 0.2674, 0.3511

Monochromacy



Original Color

13.2042, 0.2899, 0.4308

Achromatopsia

10.7023, 0.3127, 0.3290

Achromatomaly

11.4757, 0.3038, 0.3668

CSS Examples

Text

The CSS property to change the color of the text to Yxy 13.2042, 0.2899, 0.4308 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(58, 113, 74)` looks like.

```
.text, #text, p{  
    color:rgb(58, 113, 74)  
}
```

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(58, 113, 74) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(58, 113, 74) }
```

Border

The CSS property to change the border of an element to Yxy 13.2042, 0.2899, 0.4308 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(58, 113, 74) }
```

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

```
.border{ border-color:rgb(58, 113, 74) }
```

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

Here you see how a box with a 4 pixel `rgb(58, 113, 74)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(58, 113, 74); -webkit-box-  
shadow:4px 4px 4px 4px rgb(58, 113, 74);  
box-shadow:4px 4px 4px 4px rgb(58, 113,  
74) }
```


Background

The CSS property to change the background color of an element to Yxy 13.2042, 0.2899, 0.4308 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(58, 113, 74) }
```

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

```
.background{ background-color: rgb(58, 113,  
74) }
```

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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