

Converting Colors

$Yxy(34.2012, 0.3412, 0.4623)$

Have a look what the booklet for
Yxy(34.2012, 0.3412, 0.4623)
contains.

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Color

Yxy(34.1212, 0.3413, 0.4623)

Conversions

Conversions Part 1

Format	Color
Hex	81AA58
RGB	129, 170, 88
RGB Percent	51%, 67%, 35%
CMY	0.4941, 0.3333, 0.6548
CMYK	0.24, 0.00, 0.48, 0.33
HSL	90°, 33%, 51%
HSV	90°, 48%, 67%
XYZ	25.1905, 34.1212, 14.4958
YIQ	148.3930, 1.8860, -34.1940

Conversions

Conversions Part 2

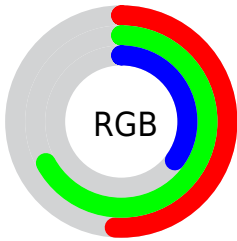
Format	Color
RYB	88, 170, 129
Decimal	8497752
CIELab	65.06, -28.22, 37.63
CIELCh	65, 47.039, 126.865
Yxy	34.1212, 0.3413, 0.4623
Android (android.graphics.Color)	4286687832 (0xFF81AA58)
YUV	148.3930, -29.7737, -17.0077
Hunter-Lab	58.4134, -25.2461, 26.1760

Details

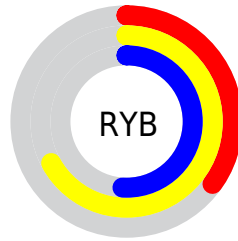
The Yxy color **34.1212, 0.3413, 0.4623** is a dark color, and the websafe version is hex **669933**. A complement of this color would be **14.5549, 0.2671, 0.1963**, and the grayscale version is **29.9152, 0.3127, 0.3290**.

A 20% lighter version of the original color is **65.9342, 0.3379, 0.4332**, and **14.6811, 0.3437, 0.5095** is the 20% darker color. If you saturate the color by 10%, you get **33.2345, 0.3445, 0.4908**, and if you desaturate by 10%, it is **35.1320, 0.3366, 0.4328**.

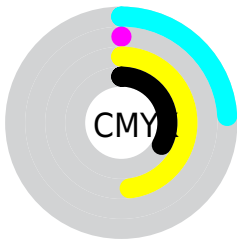
Distribution



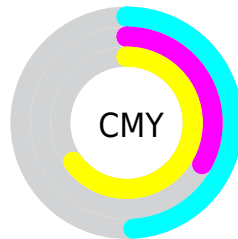
- Red (51%)
- Green (67%)
- Blue (35%)



- Red (35%)
- Yellow (67%)
- Blue (51%)



- Cyan (24%)
- Magenta (0%)
- Yellow (48%)
- Black (33%)




- Cyan (49%)
- Magenta (33%)
- Yellow (65%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 34.1212, 0.3413, 0.4623 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 34.1212, 0.3413, 0.4623 by changing the saturation by 10% instead.


 34.1212, 0.3413,
0.4623


 34.1212, 0.3413,
0.4623

320.6721, 0.3292,
0.3893


 22.9867, 0.3430,
0.4823


 66.1221, 0.3377,
0.4344


 14.5837, 0.3442,
0.5089


 87.7573, 0.3361,
0.4243


 8.5277, 0.3434,
0.5452


 113.6616, 0.3346,
0.4160

 4.4345, 0.3416,
0.6052

 144.2192, 0.3333,
0.4089

 1.9194, 0.3184,
0.6816

 179.8147, 0.3321,
0.4029

 0.5600, 0.0000,
1.0000

220.8325, 0.3310,

 0.0000, 0.0000,

0.3978

0.0000

267.6568, 0.3301,
0.3933

■ 34.1212, 0.3413,
0.4623

■ 34.1212, 0.3413,
0.4623

■ 33.2345, 0.3445,
0.4908

■ 35.1320, 0.3366,
0.4328

■ 32.4615, 0.3459,
0.5169

■ 36.2678, 0.3310,
0.4036

■ 31.7970, 0.3452,
0.5392

■ 37.5354, 0.3247,
0.3755


■ 31.2335, 0.3424,
0.5564


■ 38.9394, 0.3182,
0.3491

■ 30.7588, 0.3378,
0.5686

■ 40.4843, 0.3115,
0.3248

 30.6807, 0.3370,
0.5706

 42.1746, 0.3051,
0.3028

 44.0141, 0.2989,
0.2828

 46.0069, 0.2930,
0.2650

 48.1567, 0.2875,
0.2491

Harmonies

Analogous

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



34.1212, 0.4066, 0.4491



34.1212, 0.3413, 0.4623



34.1212, 0.2720, 0.4254

Triad

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



34.1212, 0.3413, 0.4623



34.1212, 0.1899, 0.2352



34.1212, 0.4137, 0.2987

Complementary

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



34.1212, 0.3413, 0.4623



14.5549, 0.2671, 0.1963

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.



34.1212, 0.3433, 0.2545



34.1212, 0.3413, 0.4623



34.1212, 0.2176, 0.2182

Square

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



34.1212, 0.3413, 0.4623



34.1212, 0.1894, 0.2804



34.1212, 0.2711, 0.2259



34.1212, 0.4540, 0.3515

Rectangle

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



34.1212, 0.3413, 0.4623



34.1212, 0.2329, 0.3779



34.1212, 0.2711, 0.2259



34.1212, 0.3922, 0.2827

Sweetspot

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



34.1227, 0.3413, 0.4623



69.0824, 0.3221, 0.3648



24.9554, 0.4104, 0.3910



15.2886, 0.3235, 0.3704



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.



34.1227, 0.3413, 0.4623



60.1745, 0.3447, 0.4931



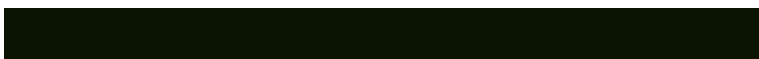
31.5313, 0.3057, 0.4781



8.5850, 0.3189, 0.3518



22.6015, 0.3378, 0.5700



0.5803, 0.3642, 0.5491

Inverse Universe

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



14.5549, 0.2671, 0.1963



20.3473, 0.2534, 0.1658



18.4322, 0.3181, 0.2146



7.4779, 0.3061, 0.3062



3.5896, 0.2040, 0.0898



0.1178, 0.2418, 0.1106

Previews

White Background



This preview shows how the Yxy color 34.1212, 0.3413, 0.4623 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 34.1212, 0.3413, 0.4623 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 34.1212, 0.3413, 0.4623

Background



This preview shows how black text looks on a background with the Yxy color 34.1212, 0.3413, 0.4623.



This preview shows how white text looks on a background with the Yxy color 34.1212, 0.3413, 0.4623.

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

34.1212, 0.3413, 0.4623

Protanopia

33.9780, 0.3964, 0.4337

Deuteranopia

33.6794, 0.4136, 0.4053



Tritanopia

33.8215, 0.2844, 0.3093

Trichromacy



Original Color

34.1212, 0.3413, 0.4623

Protanomaly

33.6646, 0.3759, 0.4446

Deuteranomaly

33.1941, 0.3858, 0.4255

Tritanomaly

33.8223, 0.3065, 0.3640

Monochromacy



Original Color

34.1212, 0.3413, 0.4623

Achromatopsia

29.6138, 0.3127, 0.3290

Achromatomaly

30.9460, 0.3253, 0.3779

CSS Examples

Text

The CSS property to change the color of the text to Yxy 34.1212, 0.3413, 0.4623 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(129, 170, 88)` looks like.

```
.text, #text, p{  
    color:rgb(129, 170, 88)  
}
```

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(129, 170, 88) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(129, 170, 88) }
```

Border

The CSS property to change the border of an element to Yxy 34.1212, 0.3413, 0.4623 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(129, 170, 88) }
```

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

```
.border{ border-color:rgb(129, 170, 88) }
```

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

Here you see how a box with a 4 pixel `rgb(129, 170, 88)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(129, 170, 88); -webkit-box-  
shadow:4px 4px 4px 4px rgb(129, 170, 88);  
box-shadow:4px 4px 4px 4px rgb(129, 170,  
88) }
```


Background

The CSS property to change the background color of an element to Yxy 34.1212, 0.3413, 0.4623 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(129, 170, 88) }
```

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

```
.background{ background-color: rgb(129,  
170, 88) }
```

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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