

Converting Colors

$Yxy(42.3788, 0.3332, 0.4816)$

Have a look what the booklet for
Yxy(42.3788, 0.3332, 0.4816)
contains.

Yxy(42.1543, 0.3329, 0.4813)	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(42.1543, 0.3329, 0.4813)

Conversions

Conversions Part 1

Format	Color
Hex	80BE5A
RGB	128, 190, 90
RGB Percent	50%, 75%, 35%
CMY	0.4982, 0.2549, 0.6470
CMYK	0.33, 0.00, 0.53, 0.25
HSL	97°, 43%, 55%
HSV	97°, 53%, 75%
XYZ	29.1568, 42.1543, 16.2732
YIQ	160.0620, -4.8520, -44.2440

Conversions

Conversions Part 2

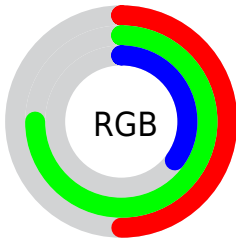
Format	Color
RYB	90, 190, 152
Decimal	8437338
CIELab	70.98, -37.69, 43.82
CIElCh	71, 57.801, 130.696
Yxy	42.1543, 0.3329, 0.4813
Android (android.graphics.Color)	4286627418 (0xFF80BE5A)
YUV	160.0620, -34.5406, -28.1184
Hunter-Lab	64.9263, -33.4612, 30.5880

Details

The Yxy color **42.1543, 0.3329, 0.4813** is a dark color, and the websafe version is hex **99CC66**. A complement of this color would be **17.7119, 0.2745, 0.1876**, and the grayscale version is **35.3453, 0.3127, 0.3290**.

A 20% lighter version of the original color is **78.5418, 0.3316, 0.4516**, and **19.2106, 0.3313, 0.5307** is the 20% darker color. If you saturate the color by 10%, you get **41.0114, 0.3337, 0.5110**, and if you desaturate by 10%, it is **43.4897, 0.3307, 0.4501**.

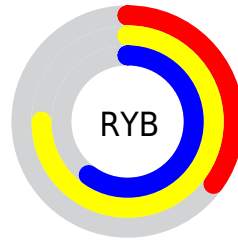
Distribution



Red (50%)

Green (75%)

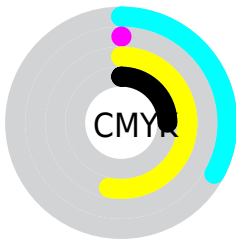
Blue (35%)



Red (35%)

Yellow (75%)

Blue (60%)

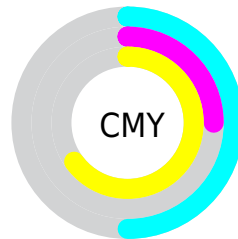


Cyan (33%)

Magenta (0%)

Yellow (53%)

Black (25%)



Cyan (50%)


Magenta (25%)


Yellow (65%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 42.1543, 0.3329, 0.4813 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 42.1543, 0.3329, 0.4813 by changing the saturation by 10% instead.


 42.1543, 0.3329,
0.4813


 42.1543, 0.3329,
0.4813


355.1222, 0.3265,
0.4000

 29.2221, 0.3328,
0.5027


 78.4331, 0.3317,
0.4508


 19.2489, 0.3314,
0.5306


 102.5485, 0.3309,
0.4396

 11.8503, 0.3273,
0.5677

 131.1605, 0.3301,
0.4302

 6.6418, 0.3176,
0.6199

 164.6534, 0.3293,
0.4223

 3.2391, 0.2973,
0.7027

203.4116, 0.3285,
0.4155

 1.2578, 0.1574,
0.8426

247.8195, 0.3278,

 0.1082, 0.0000,

0.4096

1.0000

298.2616, 0.3272,
0.4045

■ 0.0000, 0.0000,
0.0000

■ 42.1543, 0.3329,
0.4813

■ 42.1543, 0.3329,
0.4813

■ 41.0114, 0.3337,
0.5110

■ 43.4897, 0.3307,
0.4501

■ 40.0456, 0.3327,
0.5375

■ 45.0214, 0.3273,
0.4190

■ 39.2475, 0.3299,
0.5590

■ 46.7598, 0.3233,
0.3890

■ 38.6040, 0.3255,
0.5746

■ 48.7128, 0.3187,
0.3610

■ 38.2139, 0.3217,
0.5828

■ 50.8880, 0.3140,
0.3353

■ 53.2926, 0.3092,
0.3122

■ 55.9332, 0.3046,
0.2914

■ 58.8164, 0.3001,
0.2730

■ 61.5551, 0.3000,
0.2622

Harmonies

Analogous

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



42.1543, 0.4086, 0.4690



42.1543, 0.3329, 0.4813



42.1543, 0.2560, 0.4317

Triad

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



42.1543, 0.3329, 0.4813



42.1543, 0.1776, 0.2186



42.1543, 0.4368, 0.3010

Complementary

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



42.1543, 0.3329, 0.4813



17.7119, 0.2745, 0.1876

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.



42.1543, 0.3582, 0.2507



42.1543, 0.3329, 0.4813



42.1543, 0.2116, 0.2046

Square

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



42.1543, 0.3329, 0.4813



42.1543, 0.1728, 0.2640



42.1543, 0.2744, 0.2166



42.1543, 0.4762, 0.3596

Rectangle

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



42.1543, 0.3329, 0.4813



42.1543, 0.2147, 0.3732



42.1543, 0.2744, 0.2166



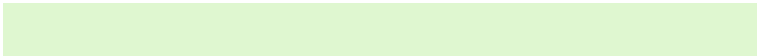
42.1543, 0.4134, 0.2829

Sweetspot

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



42.1561, 0.3329, 0.4813



86.9342, 0.3204, 0.3709



34.0380, 0.4141, 0.4114



18.9274, 0.3213, 0.3767



97.7402, 0.3127, 0.3290



20.4902, 0.3127, 0.3290

Same Dimension

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



42.1561, 0.3329, 0.4813



74.0474, 0.3336, 0.5149



39.9583, 0.2983, 0.4765



10.8213, 0.3172, 0.3523



25.4487, 0.3226, 0.5820



1.0346, 0.3425, 0.5662

Inverse Universe

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



17.7119, 0.2745, 0.1876



25.0257, 0.2632, 0.1590



21.4898, 0.3324, 0.2167



9.5105, 0.3079, 0.3060



5.0739, 0.2287, 0.1034



0.2351, 0.2511, 0.1157

Previews

White Background



This preview shows how the Yxy color 42.1543, 0.3329, 0.4813 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 42.1543, 0.3329, 0.4813 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 42.1543, 0.3329, 0.4813

Background



This preview shows how black text looks on a background with the Yxy color 42.1543, 0.3329, 0.4813.



This preview shows how white text looks on a background with the Yxy color 42.1543, 0.3329, 0.4813.

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

42.1543, 0.3329, 0.4813

Protanopia

41.6036, 0.4044, 0.4424

Deuteranopia

41.6037, 0.4205, 0.4123



Tritanopia

42.0197, 0.2741, 0.3093

Trichromacy



Original Color

42.1543, 0.3329, 0.4813

Protanomaly

41.2369, 0.3765, 0.4574

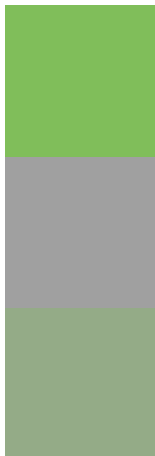
Deuteranomaly

40.9040, 0.3865, 0.4366

Tritanomaly

41.6705, 0.2962, 0.3694

Monochromacy



Original Color

42.1543, 0.3329, 0.4813

Achromatopsia

35.1533, 0.3127, 0.3290

Achromatomaly

37.1710, 0.3219, 0.3841

CSS Examples

Text

The CSS property to change the color of the text to Yxy 42.1543, 0.3329, 0.4813 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(128, 190, 90)` looks like.

```
.text, #text, p{  
    color:rgb(128, 190, 90)  
}
```

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(128, 190, 90) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(128, 190, 90) }
```

Border

The CSS property to change the border of an element to Yxy 42.1543, 0.3329, 0.4813 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(128, 190, 90) }
```

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

```
.border{ border-color:rgb(128, 190, 90) }
```

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

Here you see how a box with a 4 pixel `rgb(128, 190, 90)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(128, 190, 90); -webkit-box-  
shadow:4px 4px 4px 4px rgb(128, 190, 90);  
box-shadow:4px 4px 4px 4px rgb(128, 190,  
90) }
```


Background

The CSS property to change the background color of an element to Yxy 42.1543, 0.3329, 0.4813 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(128, 190, 90) }
```

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

```
.background{ background-color: rgb(128,  
190, 90) }
```

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