

Converting Colors

$Yxy(41.1638, 0.3240, 0.4560)$

Have a look what the booklet for
Yxy(41.1638, 0.3240, 0.4560)
contains.

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Color

Yxy(41.1498, 0.3242, 0.4565)

Conversions

Conversions Part 1

Format	Color
Hex	80BB69
RGB	128, 187, 105
RGB Percent	50%, 73%, 41%
CMY	0.4980, 0.2667, 0.5882
CMYK	0.32, 0.00, 0.44, 0.27
HSL	103°, 38%, 57%
HSV	103°, 44%, 73%
XYZ	29.2240, 41.1498, 19.7681
YIQ	160.0110, -8.8420, -38.0100

Conversions

Conversions Part 2

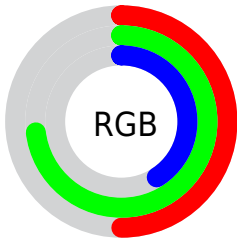
Format	Color
RYB	105, 187, 164
Decimal	8436585
CIELab	70.28, -34.43, 35.51
CIELCh	70, 49.461, 134.113
Yxy	41.1498, 0.3242, 0.4565
Android (android.graphics.Color)	4286626665 (0xFF80BB69)
YUV	160.0110, -27.1204, -28.0736
Hunter-Lab	64.1481, -30.9398, 26.6326

Details

The Yxy color **41.1498, 0.3242, 0.4565** is a dark color, and the websafe version is hex **99CC66**. A complement of this color would be **21.5841, 0.2917, 0.2147**, and the grayscale version is **35.2920, 0.3127, 0.3290**.

A 20% lighter version of the original color is **77.2030, 0.3240, 0.4315**, and **18.5564, 0.3222, 0.4982** is the 20% darker color. If you saturate the color by 10%, you get **39.8332, 0.3250, 0.4889**, and if you desaturate by 10%, it is **42.6928, 0.3225, 0.4242**.

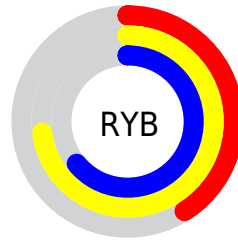
Distribution



Red (50%)

Green (73%)

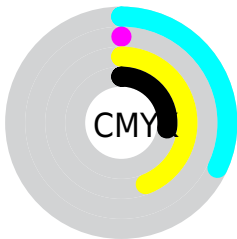
Blue (41%)



Red (41%)

Yellow (73%)

Blue (64%)

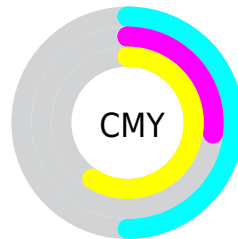


Cyan (32%)

Magenta (0%)

Yellow (44%)

Black (27%)



Cyan (50%)


Magenta (27%)


Yellow (59%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 41.1498, 0.3242, 0.4565 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 41.1498, 0.3242, 0.4565 by changing the saturation by 10% instead.

 41.1498, 0.3242,
0.4565


 41.1498, 0.3242,
0.4565


350.9463, 0.3209,
0.3880

 28.4362, 0.3239,
0.4749


 76.9112, 0.3237,
0.4306


 18.6547, 0.3228,
0.4992


 100.7278, 0.3233,
0.4212

 11.4210, 0.3198,
0.5325


 129.0142, 0.3229,
0.4133

 6.3508, 0.3122,
0.5799


 162.1547, 0.3225,
0.4067

 3.0595, 0.3107,
0.6893

200.5338, 0.3221,
0.4010

 1.1629, 0.1719,
0.8281

244.5358, 0.3217,

 0.0311, 0.0000,

0.3961

1.0000

294.5452, 0.3213,
0.3918

■ 0.0000, 0.0000,
0.0000

■ 41.1498, 0.3242,
0.4565

■ 41.1498, 0.3242,
0.4565

■ 39.8332, 0.3250,
0.4889

■ 42.6928, 0.3225,
0.4242

■ 38.7268, 0.3245,
0.5197

■ 44.4671, 0.3200,
0.3932

■ 37.8201, 0.3227,
0.5469


■ 46.4840, 0.3171,
0.3645

■ 37.0999, 0.3195,
0.5686


■ 48.7524, 0.3140,
0.3383

■ 36.5507, 0.3152,
0.5835

■ 51.2810, 0.3107,
0.3149

 36.2839, 0.3124,
0.5901

 54.0778, 0.3075,
0.2941

 57.1505, 0.3044,
0.2758

 60.5066, 0.3014,
0.2597

 62.9173, 0.3113,
0.2615

Harmonies

Analogous

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



41.1498, 0.3914, 0.4546



41.1498, 0.3242, 0.4565



41.1498, 0.2575, 0.4085

Triad

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



41.1498, 0.3242, 0.4565



41.1498, 0.1953, 0.2297



41.1498, 0.4257, 0.3113

Complementary

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



41.1498, 0.3242, 0.4565



21.5841, 0.2917, 0.2147

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.



41.1498, 0.3610, 0.2647



41.1498, 0.3242, 0.4565



41.1498, 0.2292, 0.2191

Square

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



41.1498, 0.3242, 0.4565



41.1498, 0.1882, 0.2676



41.1498, 0.2877, 0.2321



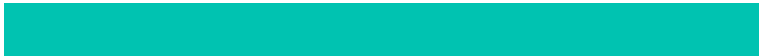
41.1498, 0.4554, 0.3644

Rectangle

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



41.1498, 0.3242, 0.4565



41.1498, 0.2224, 0.3586



41.1498, 0.2877, 0.2321



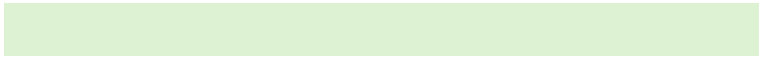
41.1498, 0.4069, 0.2946

Sweetspot

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



41.1516, 0.3242, 0.4565



83.4966, 0.3169, 0.3627



38.0534, 0.3895, 0.4086



18.2008, 0.3176, 0.3689



95.5105, 0.3127, 0.3290



19.5994, 0.3127, 0.3290

Same Dimension

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



41.1516, 0.3242, 0.4565



71.3380, 0.3250, 0.4890



39.9692, 0.2950, 0.4341



10.7757, 0.3157, 0.3524



25.0314, 0.3132, 0.5895



1.0146, 0.3323, 0.5743

Inverse Universe

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



21.5841, 0.2917, 0.2147



31.5819, 0.2850, 0.1892



23.5428, 0.3383, 0.2434



9.5581, 0.3094, 0.3061



6.0318, 0.2517, 0.1160



0.2676, 0.2690, 0.1255

Previews

White Background



This preview shows how the Yxy color 41.1498, 0.3242, 0.4565 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 41.1498, 0.3242, 0.4565 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

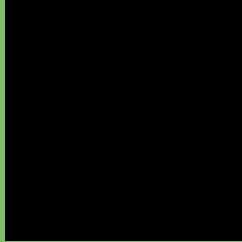
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 41.1498, 0.3242, 0.4565

Background



This preview shows how black text looks on a background with the Yxy color 41.1498, 0.3242, 0.4565.



This preview shows how white text looks on a background with the Yxy color 41.1498, 0.3242, 0.4565.

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

41.1498, 0.3242, 0.4565

Protanopia

40.7180, 0.3914, 0.4243

Deuteranopia

40.8204, 0.4033, 0.3958



Tritanopia

40.9567, 0.2738, 0.3091

Trichromacy



Original Color

41.1498, 0.3242, 0.4565

Protanomaly

40.4909, 0.3648, 0.4371

Deuteranomaly

40.0742, 0.3727, 0.4163

Tritanomaly

40.9042, 0.2924, 0.3604

Monochromacy



Original Color

41.1498, 0.3242, 0.4565

Achromatopsia

35.1533, 0.3127, 0.3290

Achromatomaly

36.9388, 0.3178, 0.3748

CSS Examples

Text

The CSS property to change the color of the text to Yxy 41.1498, 0.3242, 0.4565 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, 187, 105)` looks like.

```
.text, #text, p{  
    color:rgb(128, 187, 105)  
}
```

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, 187, 105) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(128, 187, 105) }
```

Border

The CSS property to change the border of an element to Yxy 41.1498, 0.3242, 0.4565 is called "border". The border property can be set on classes, ids or directly on the HTML element.

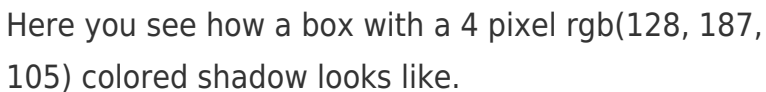
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(128, 187, 105) }
```

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

```
.border{ border-color:rgb(128, 187, 105) }
```

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



Here you see how a box with a 4 pixel `rgb(128, 187, 105)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(128, 187, 105); -webkit-box-shadow:4px 4px 4px 4px rgb(128, 187, 105); box-shadow:4px 4px 4px 4px rgb(128, 187, 105) }
```


Background

The CSS property to change the background color of an element to Yxy 41.1498, 0.3242, 0.4565 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(128, 187, 105) }
```

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

```
.background{ background-color: rgb(128,  
187, 105) }
```

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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