

Converting Colors

Yxy(41.6936, 0.3450, 0.4969)

Have a look what the booklet for
Yxy(41.6936, 0.3450, 0.4969)
contains.

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Color

Yxy(41.8087, 0.3451, 0.4978)

Conversions

Conversions Part 1

Format	Color
Hex	84BD4B
RGB	132, 189, 75
RGB Percent	52%, 74%, 29%
CMY	0.4823, 0.2588, 0.7060
CMYK	0.30, 0.00, 0.60, 0.26
HSL	90°, 46%, 52%
HSV	90°, 60%, 74%
XYZ	28.9839, 41.8087, 13.1943
YIQ	158.9610, 2.6220, -47.5380

Conversions

Conversions Part 2

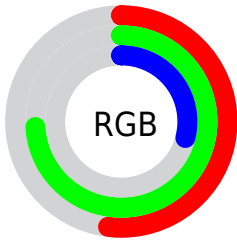
Format	Color
RYB	75, 189, 132
Decimal	8699211
CIELab	70.74, -37.33, 50.58
CIElCh	71, 62.863, 126.429
Yxy	41.8087, 0.3451, 0.4978
Android (android.graphics.Color)	4286889291 (0xFF84BD4B)
YUV	158.9610, -41.3928, -23.6448
Hunter-Lab	64.6596, -33.1412, 33.1631

Details

The Yxy color **41.8087, 0.3451, 0.4978** is a dark color, and the websafe version is hex **99CC66**. A complement of this color would be **13.6065, 0.2511, 0.1611**, and the grayscale version is **34.8450, 0.3127, 0.3290**.

A 20% lighter version of the original color is **78.1614, 0.3423, 0.4646**, and **18.9947, 0.3449, 0.5494** is the 20% darker color. If you saturate the color by 10%, you get **40.8616, 0.3460, 0.5232**, and if you desaturate by 10%, it is **42.9053, 0.3423, 0.4696**.

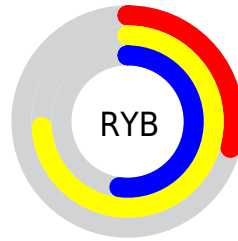
Distribution



Red (52%)

Green (74%)

Blue (29%)



Red (29%)

Yellow (74%)

Blue (52%)

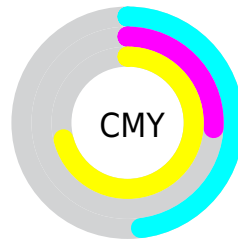


Cyan (30%)

Magenta (0%)

Yellow (60%)

Black (26%)



Cyan (48%)

Magenta (26%)

Yellow (71%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 41.8087, 0.3451, 0.4978 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 41.8087, 0.3451, 0.4978 by changing the saturation by 10% instead.


 41.8087, 0.3451,
0.4978

 41.8087, 0.3451,
0.4978


353.6893, 0.3338,
0.4083

 28.9515, 0.3456,
0.5208

 77.9100, 0.3426,
0.4646


 19.0442, 0.3445,
0.5500


 101.9230, 0.3411,
0.4522

 11.7022, 0.3400,
0.5879

 130.4233, 0.3397,
0.4419

 6.5412, 0.3338,
0.6494

 163.7954, 0.3383,
0.4331

 3.1769, 0.2979,
0.7021

 202.4236, 0.3370,
0.4256

 1.2248, 0.1515,
0.8485

246.6924, 0.3359,

 0.0818, 0.0000,

0.4191

1.0000

296.9862, 0.3348,
0.4134

0.0000, 0.0000,
0.0000

41.8087, 0.3451,
0.4978

41.8087, 0.3451,
0.4978

40.8616, 0.3460,
0.5232

42.9053, 0.3423,
0.4696

40.0496, 0.3447,
0.5444

44.1539, 0.3379,
0.4400

39.3644, 0.3413,
0.5602

45.5634, 0.3324,
0.4103

38.8045, 0.3365,
0.5710

47.1407, 0.3262,
0.3817

48.8919, 0.3196,
0.3547

■ 50.8230, 0.3129,
0.3298

■ 52.9397, 0.3064,
0.3071

■ 55.2471, 0.3000,
0.2866

■ 57.7505, 0.2940,
0.2682

Harmonies

Analogous

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



41.8087, 0.4249, 0.4733



41.8087, 0.3451, 0.4978



41.8087, 0.2612, 0.4541

Triad

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



41.8087, 0.3451, 0.4978



41.8087, 0.1653, 0.2143



41.8087, 0.4376, 0.2896

Complementary

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



41.8087, 0.3451, 0.4978



13.6065, 0.2511, 0.1611

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.



41.8087, 0.3482, 0.2383



41.8087, 0.3451, 0.4978



41.8087, 0.1968, 0.1958

Square

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



41.8087, 0.3451, 0.4978



41.8087, 0.1644, 0.2674



41.8087, 0.2595, 0.2052



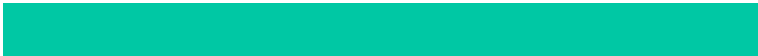
41.8087, 0.4878, 0.3508

Rectangle

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



41.8087, 0.3451, 0.4978



41.8087, 0.2145, 0.3917



41.8087, 0.2595, 0.2052



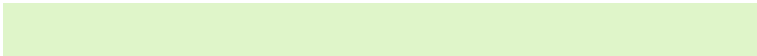
41.8087, 0.4102, 0.2710

Sweetspot

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



41.8105, 0.3451, 0.4978



85.0409, 0.3249, 0.3760



27.3161, 0.4455, 0.4023



18.0998, 0.3267, 0.3841



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.



41.8105, 0.3451, 0.4978



72.7462, 0.3459, 0.5297



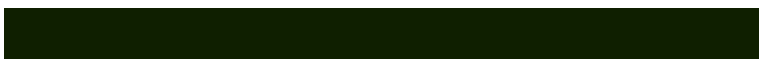
38.4768, 0.3048, 0.5207



10.8777, 0.3190, 0.3522



26.1535, 0.3374, 0.5703



1.0634, 0.3561, 0.5555

Inverse Universe

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



13.6065, 0.2511, 0.1611



17.9127, 0.2342, 0.1295



19.2811, 0.3169, 0.1896



9.4533, 0.3060, 0.3058



4.1353, 0.2034, 0.0894



0.2009, 0.2301, 0.1041

Previews

White Background



This preview shows how the Yxy color 41.8087, 0.3451, 0.4978 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 41.8087, 0.3451, 0.4978 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

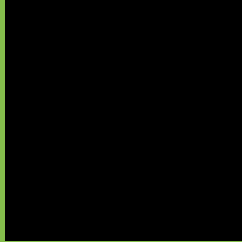
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 41.8087, 0.3451, 0.4978

Background



This preview shows how black text looks on a background with the Yxy color 41.8087, 0.3451, 0.4978.



This preview shows how white text looks on a background with the Yxy color 41.8087, 0.3451, 0.4978.

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

41.8087, 0.3451, 0.4978

Protanopia

41.5358, 0.4146, 0.4557

Deuteranopia

41.3062, 0.4342, 0.4246



Tritanopia

41.5018, 0.2783, 0.3093

Trichromacy



Original Color

41.8087, 0.3451, 0.4978

Protanomaly

41.2541, 0.3874, 0.4719

Deuteranomaly

40.6420, 0.4009, 0.4511

Tritanomaly

40.9685, 0.3046, 0.3770

Monochromacy



Original Color

41.8087, 0.3451, 0.4978

Achromatopsia

34.6704, 0.3127, 0.3290

Achromatomaly

36.6975, 0.3288, 0.3935

CSS Examples

Text

The CSS property to change the color of the text to Yxy 41.8087, 0.3451, 0.4978 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, 189, 75)` looks like.

```
.text, #text, p{  
    color:rgb(132, 189, 75)  
}
```

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, 189, 75) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(132, 189, 75) }
```

Border

The CSS property to change the border of an element to Yxy 41.8087, 0.3451, 0.4978 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, 189, 75) }
```

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

```
.border{ border-color:rgb(132, 189, 75) }
```

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

Here you see how a box with a 4 pixel rgb(132, 189, 75) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(132, 189, 75); -webkit-box-  
shadow:4px 4px 4px 4px rgb(132, 189, 75);  
box-shadow:4px 4px 4px 4px rgb(132, 189,  
75) }
```


Background

The CSS property to change the background color of an element to Yxy 41.8087, 0.3451, 0.4978 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(132, 189, 75) }
```

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

```
.background{ background-color: rgb(132,  
189, 75) }
```

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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