

Converting Colors

Yxy(36.9919, 0.3414, 0.4593)

Have a look what the booklet for
Yxy(36.9919, 0.3414, 0.4593)
contains.

Yxy(36.9919, 0.3414, 0.4593)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(36.9919, 0.3414, 0.4593)

Conversions

Conversions Part 1

Format	Color
Hex	87B05D
RGB	135, 176, 93
RGB Percent	53%, 69%, 36%
CMY	0.4705, 0.3098, 0.6352
CMYK	0.23, 0.00, 0.47, 0.31
HSL	90°, 34%, 53%
HSV	90°, 47%, 69%
XYZ	27.4963, 36.9919, 16.0516
YIQ	154.2790, 2.2070, -34.5050

Conversions

Conversions Part 2

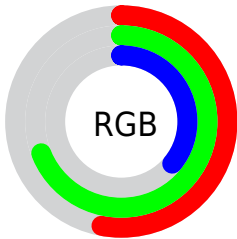
Format	Color
RYB	93, 176, 134
Decimal	8892509
CIELab	67.27, -28.24, 37.92
CIELCh	67, 47.279, 126.679
Yxy	36.9919, 0.3414, 0.4593
Android (android.graphics.Color)	4287082589 (0xFF87B05D)
YUV	154.2790, -30.2105, -16.9077
Hunter-Lab	60.8210, -25.7395, 26.9272

Details

The Yxy color **36.9919, 0.3414, 0.4593** is a dark color, and the websafe version is hex **99CC66**. A complement of this color would be **16.0353, 0.2676, 0.1988**, and the grayscale version is **32.5819, 0.3127, 0.3290**.

A 20% lighter version of the original color is **70.7047, 0.3378, 0.4326**, and **16.1868, 0.3447, 0.5025** is the 20% darker color. If you saturate the color by 10%, you get **36.0247, 0.3449, 0.4879**, and if you desaturate by 10%, it is **38.0930, 0.3365, 0.4298**.

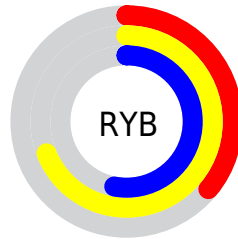
Distribution



Red (53%)

Green (69%)

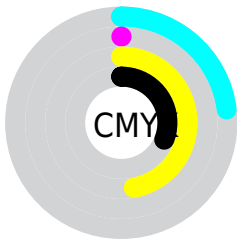
Blue (36%)



Red (36%)

Yellow (69%)

Blue (53%)

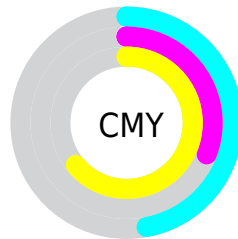


Cyan (23%)

Magenta (0%)

Yellow (47%)

Black (31%)



Cyan (47%)


Magenta (31%)


Yellow (64%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 36.9919, 0.3414, 0.4593 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 36.9919, 0.3414, 0.4593 by changing the saturation by 10% instead.


 36.9919, 0.3414,
0.4593


 36.9919, 0.3414,
0.4593


333.2755, 0.3293,
0.3889

 25.2012, 0.3432,
0.4783


 70.5603, 0.3378,
0.4326


 16.2270, 0.3446,
0.5033


 93.1069, 0.3362,
0.4229

 9.6850, 0.3444,
0.5372


 120.0075, 0.3347,
0.4148

 5.1906, 0.3410,
0.5871

 151.6466, 0.3334,
0.4080

 2.3595, 0.3299,
0.6701

188.4085, 0.3322,
0.4022

 0.8049, 0.0859,
0.9141

230.6777, 0.3311,

 0.0000, 0.0000,

0.3972

0.0000

278.8386, 0.3302,
0.3928

■ 36.9919, 0.3414,
0.4593

■ 36.9919, 0.3414,
0.4593

■ 36.0247, 0.3449,
0.4879

■ 38.0930, 0.3365,
0.4298

■ 35.1801, 0.3466,
0.5143

■ 39.3290, 0.3307,
0.4006

■ 34.4527, 0.3461,
0.5369


■ 40.7069, 0.3242,
0.3727

■ 33.8344, 0.3435,
0.5546

■ 42.2319, 0.3175,
0.3465

■ 33.3141, 0.3390,
0.5669

■ 43.9088, 0.3108,
0.3223

 33.1781, 0.3377,
0.5701

 45.7422, 0.3043,
0.3004

 47.7365, 0.2980,
0.2807

 49.8958, 0.2920,
0.2630

 52.2242, 0.2865,
0.2472

Harmonies

Analogous

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



36.9919, 0.4052, 0.4466



36.9919, 0.3414, 0.4593



36.9919, 0.2734, 0.4234

Triad

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



36.9919, 0.3414, 0.4593



36.9919, 0.1920, 0.2373



36.9919, 0.4112, 0.2991

Complementary

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



36.9919, 0.3414, 0.4593



16.0353, 0.2676, 0.1988

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.



36.9919, 0.3423, 0.2557



36.9919, 0.3414, 0.4593



36.9919, 0.2191, 0.2203

Square

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



36.9919, 0.3414, 0.4593



36.9919, 0.1918, 0.2820



36.9919, 0.2716, 0.2277



36.9919, 0.4509, 0.3510

Rectangle

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



36.9919, 0.3414, 0.4593



36.9919, 0.2349, 0.3773



36.9919, 0.2716, 0.2277



36.9919, 0.3901, 0.2833

Sweetspot

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



36.9935, 0.3414, 0.4593



74.6050, 0.3223, 0.3649



26.8306, 0.4090, 0.3879



16.0455, 0.3237, 0.3705



89.0005, 0.3127, 0.3290



17.0645, 0.3127, 0.3290

Same Dimension

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



36.9935, 0.3414, 0.4593



65.1993, 0.3451, 0.4903



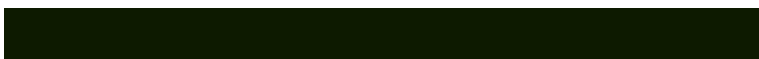
34.2419, 0.3069, 0.4742



9.6944, 0.3190, 0.3520



24.3788, 0.3384, 0.5695



0.8017, 0.3602, 0.5522

Inverse Universe

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



16.0353, 0.2676, 0.1988



22.3658, 0.2538, 0.1679



20.0367, 0.3163, 0.2160



8.4293, 0.3060, 0.3060



3.8182, 0.2025, 0.0889



0.1549, 0.2342, 0.1064

Previews

White Background



This preview shows how the Yxy color 36.9919, 0.3414, 0.4593 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 36.9919, 0.3414, 0.4593 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

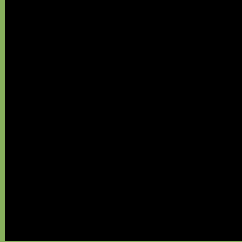
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 36.9919, 0.3414, 0.4593

Background



This preview shows how black text looks on a background with the Yxy color 36.9919, 0.3414, 0.4593.



This preview shows how white text looks on a background with the Yxy color 36.9919, 0.3414, 0.4593.

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

36.9919, 0.3414, 0.4593

Protanopia

36.6190, 0.3963, 0.4304

Deuteranopia

36.6645, 0.4121, 0.4042



Tritanopia

36.7302, 0.2853, 0.3100

Trichromacy



Original Color

36.9919, 0.3414, 0.4593

Protanomaly

36.6360, 0.3759, 0.4420

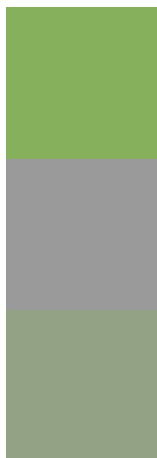
Deuteranomaly

36.1529, 0.3853, 0.4236

Tritanomaly

36.7272, 0.3067, 0.3628

Monochromacy



Original Color

36.9919, 0.3414, 0.4593

Achromatopsia

32.3143, 0.3127, 0.3290

Achromatomaly

33.7096, 0.3249, 0.3761

CSS Examples

Text

The CSS property to change the color of the text to Yxy 36.9919, 0.3414, 0.4593 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(135, 176, 93)` looks like.

```
.text, #text, p{  
    color:rgb(135, 176, 93)  
}
```

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(135, 176, 93) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(135, 176, 93) }
```

Border

The CSS property to change the border of an element to Yxy 36.9919, 0.3414, 0.4593 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(135, 176, 93) }
```

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

```
.border{ border-color:rgb(135, 176, 93) }
```

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

Here you see how a box with a 4 pixel `rgb(135, 176, 93)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(135, 176, 93); -webkit-box-  
shadow:4px 4px 4px 4px rgb(135, 176, 93);  
box-shadow:4px 4px 4px 4px rgb(135, 176,  
93) }
```


Background

The CSS property to change the background color of an element to Yxy 36.9919, 0.3414, 0.4593 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(135, 176, 93) }
```

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

```
.background{ background-color: rgb(135,  
176, 93) }
```

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