

Converting Colors

Yxy(36.9889, 0.3281, 0.4598)

Have a look what the booklet for
Yxy(36.9889, 0.3281, 0.4598)
contains.

Yxy(36.9889, 0.3281, 0.4598)	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(36.9889, 0.3281, 0.4598)

Conversions

Conversions Part 1

Format	Color
Hex	7CB261
RGB	124, 178, 97
RGB Percent	49%, 70%, 38%
CMY	0.5136, 0.3020, 0.6195
CMYK	0.30, 0.00, 0.45, 0.30
HSL	100°, 34%, 54%
HSV	100°, 45%, 70%
XYZ	26.3942, 36.9889, 17.0625
YIQ	152.6200, -6.1830, -36.6390

Conversions

Conversions Part 2

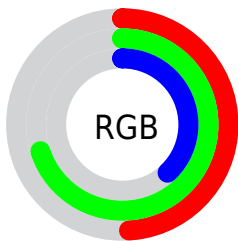
Format	Color
RYB	97, 178, 151
Decimal	8172129
CIELab	67.27, -32.71, 35.74
CIELCh	67, 48.449, 132.465
Yxy	36.9889, 0.3281, 0.4598
Android (android.graphics.Color)	4286362209 (0xFF7CB261)
YUV	152.6200, -27.4207, -25.0997
Hunter-Lab	60.8185, -28.9664, 25.9393

Details

The Yxy color **36.9889, 0.3281, 0.4598** is a dark color, and the websafe version is hex **99CC66**. A complement of this color would be **18.3459, 0.2857, 0.2091**, and the grayscale version is **31.8089, 0.3127, 0.3290**.

A 20% lighter version of the original color is **70.5993, 0.3273, 0.4324**, and **16.2583, 0.3276, 0.5053** is the 20% darker color. If you saturate the color by 10%, you get **35.8632, 0.3293, 0.4913**, and if you desaturate by 10%, it is **38.2987, 0.3257, 0.4281**.

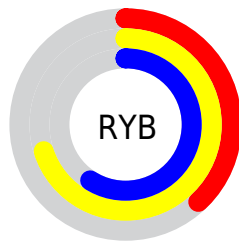
Distribution



Red (49%)

Green (70%)

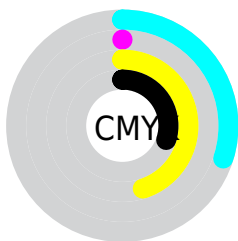
Blue (38%)



Red (38%)

Yellow (70%)

Blue (59%)

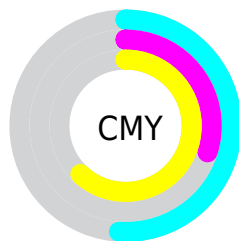


Cyan (30%)

Magenta (0%)

Yellow (45%)

Black (30%)



Cyan (51%)


Magenta (30%)

Yellow (62%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 36.9889, 0.3281, 0.4598 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 36.9889, 0.3281, 0.4598 by changing the saturation by 10% instead.


 36.9889, 0.3281,
0.4598


 36.9889, 0.3281,
0.4598


333.2625, 0.3228,
0.3885


 25.1989, 0.3282,
0.4794


 70.5557, 0.3270,
0.4325


 16.2253, 0.3274,
0.5054


 93.1013, 0.3263,
0.4227

 9.6837, 0.3244,
0.5413


 120.0009, 0.3256,
0.4146

 5.1898, 0.3163,
0.5935

 151.6389, 0.3250,
0.4077

 2.3590, 0.3042,
0.6958

188.3996, 0.3244,
0.4018

 0.8047, 0.0000,
1.0000

230.6675, 0.3238,

 0.0000, 0.0000,

0.3968

0.0000

278.8270, 0.3233,
0.3924

■ 36.9889, 0.3281,
0.4598

■ 36.9889, 0.3281,
0.4598

■ 35.8632, 0.3293,
0.4913

■ 38.2987, 0.3257,
0.4281

■ 34.9079, 0.3292,
0.5209

■ 39.7958, 0.3226,
0.3975

■ 34.1150, 0.3275,
0.5467


■ 41.4896, 0.3189,
0.3687


■ 33.4738, 0.3241,
0.5671

■ 43.3871, 0.3149,
0.3424

■ 32.9714, 0.3195,
0.5811


■ 45.4952, 0.3109,
0.3186

 32.7808, 0.3173,
0.5862

 47.8204, 0.3069,
0.2974

 50.3687, 0.3030,
0.2785

 53.1461, 0.2994,
0.2619

 56.0145, 0.2975,
0.2492

Harmonies

Analogous

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



36.9889, 0.3957, 0.4550



36.9889, 0.3281, 0.4598



36.9889, 0.2600, 0.4136

Triad

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



36.9889, 0.3281, 0.4598



36.9889, 0.1927, 0.2297



36.9889, 0.4245, 0.3081

Complementary

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



36.9889, 0.3281, 0.4598



18.3459, 0.2857, 0.2091

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.



36.9889, 0.3575, 0.2616



36.9889, 0.3281, 0.4598



36.9889, 0.2255, 0.2176

Square

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



36.9889, 0.3281, 0.4598



36.9889, 0.1871, 0.2696



36.9889, 0.2835, 0.2296



36.9889, 0.4570, 0.3617

Rectangle

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



36.9889, 0.3281, 0.4598



36.9889, 0.2236, 0.3633



36.9889, 0.2835, 0.2296



36.9889, 0.4049, 0.2914

Sweetspot

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



36.9905, 0.3281, 0.4598



75.6514, 0.3184, 0.3653



32.0311, 0.3959, 0.4042



16.6061, 0.3192, 0.3712



91.1408, 0.3127, 0.3290



17.8868, 0.3127, 0.3290

Same Dimension

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



36.9905, 0.3281, 0.4598



64.9518, 0.3294, 0.4927



35.4900, 0.2981, 0.4479



9.6232, 0.3165, 0.3522



23.4871, 0.3181, 0.5856



0.7717, 0.3416, 0.5670

Inverse Universe

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



18.3459, 0.2857, 0.2091



26.6953, 0.2771, 0.1819



20.7658, 0.3325, 0.2340



8.5019, 0.3086, 0.3062



5.1228, 0.2394, 0.1093



0.1915, 0.2629, 0.1222

Previews

White Background



This preview shows how the Yxy color 36.9889, 0.3281, 0.4598 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 36.9889, 0.3281, 0.4598 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

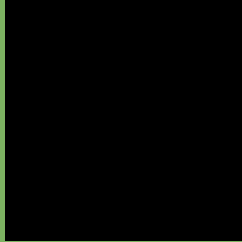
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 36.9889, 0.3281, 0.4598

Background



This preview shows how black text looks on a background with the Yxy color 36.9889, 0.3281, 0.4598.



This preview shows how white text looks on a background with the Yxy color 36.9889, 0.3281, 0.4598.

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

36.9889, 0.3281, 0.4598

Protanopia

36.5508, 0.3928, 0.4271

Deuteranopia

36.6066, 0.4074, 0.3997



Tritanopia

36.7859, 0.2759, 0.3083

Trichromacy



Original Color

36.9889, 0.3281, 0.4598

Protanomaly

36.1843, 0.3676, 0.4387

Deuteranomaly

36.0171, 0.3761, 0.4213

Tritanomaly

36.7260, 0.2956, 0.3618

Monochromacy



Original Color

36.9889, 0.3281, 0.4598

Achromatopsia

31.8547, 0.3127, 0.3290

Achromatomaly

33.2849, 0.3191, 0.3752

CSS Examples

Text

The CSS property to change the color of the text to Yxy 36.9889, 0.3281, 0.4598 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(124, 178, 97)` looks like.

```
.text, #text, p{  
    color:rgb(124, 178, 97)  
}
```

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(124, 178, 97) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(124, 178, 97) }
```

Border

The CSS property to change the border of an element to Yxy 36.9889, 0.3281, 0.4598 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(124, 178, 97) }
```

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

```
.border{ border-color:rgb(124, 178, 97) }
```

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

Here you see how a box with a 4 pixel rgb(124, 178, 97) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(124, 178, 97); -webkit-box-  
shadow:4px 4px 4px 4px rgb(124, 178, 97);  
box-shadow:4px 4px 4px 4px rgb(124, 178,  
97) }
```


Background

The CSS property to change the background color of an element to Yxy 36.9889, 0.3281, 0.4598 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(124, 178, 97) }
```

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

```
.background{ background-color: rgb(124,  
178, 97) }
```

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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