

Converting Colors

$Yxy(36.9773, 0.3054, 0.4584)$

Have a look what the booklet for
Yxy(36.9773, 0.3054, 0.4584)
contains.

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Color

Yxy(36.9308, 0.3059, 0.4589)

Conversions

Conversions Part 1

Format	Color
Hex	67B568
RGB	103, 181, 104
RGB Percent	40%, 71%, 41%
CMY	0.5960, 0.2902, 0.5921
CMYK	0.43, 0.00, 0.43, 0.29
HSL	121°, 35%, 56%
HSV	121°, 43%, 71%
XYZ	24.6179, 36.9308, 18.9281
YIQ	148.9000, -21.7710, -40.4830

Conversions

Conversions Part 2

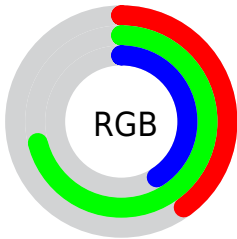
Format	Color
RYB	103, 180, 181
Decimal	6796648
CIELab	67.23, -40.01, 31.87
CIElCh	67, 51.152, 141.461
Yxy	36.9308, 0.3059, 0.4589
Android (android.graphics.Color)	4284986728 (0xFF67B568)
YUV	148.9000, -22.1357, -40.2543
Hunter-Lab	60.7707, -34.0395, 24.0726

Details

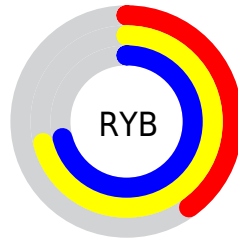
The Yxy color **36.9308, 0.3059, 0.4589** is a dark color, and the websafe version is hex **66CC66**. A complement of this color would be **22.8244, 0.3187, 0.2263**, and the grayscale version is **30.1150, 0.3127, 0.3290**.

A 20% lighter version of the original color is **70.2378, 0.3092, 0.4310**, and **16.0830, 0.2987, 0.5058** is the 20% darker color. If you saturate the color by 10%, you get **35.6496, 0.3042, 0.4941**, and if you desaturate by 10%, it is **38.5237, 0.3076, 0.4243**.

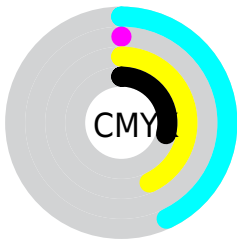
Distribution



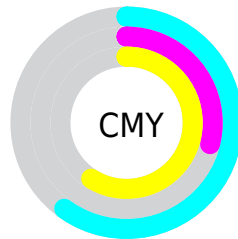
- Red (40%)
- Green (71%)
- Blue (41%)



- Red (40%)
- Yellow (71%)
- Blue (71%)



- Cyan (43%)
- Magenta (0%)
- Yellow (43%)
- Black (29%)





- Cyan (60%)
- Magenta (29%)
- Yellow (59%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 36.9308, 0.3059, 0.4589 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 36.9308, 0.3059, 0.4589 by changing the saturation by 10% instead.


 36.9308, 0.3059,
0.4589

 36.9308, 0.3059,
0.4589


333.0108, 0.3121,
0.3873

 25.1539, 0.3031,
0.4790


 70.4663, 0.3090,
0.4313

 16.1918, 0.2987,
0.5060


 92.9938, 0.3099,
0.4214

 9.6600, 0.2911,
0.5442


 119.8736, 0.3105,
0.4132

 5.1741, 0.2765,
0.6008

 151.4900, 0.3110,
0.4064

 2.3498, 0.2624,
0.7376

188.2276, 0.3114,
0.4005

 0.7999, 0.0000,
1.0000

230.4706, 0.3117,

 0.0000, 0.0000,

0.3955

0.0000

278.6036, 0.3119,
0.3911

■ 36.9308, 0.3059,
0.4589

■ 36.9308, 0.3059,
0.4589

■ 35.6496, 0.3042,
0.4941

■ 38.5237, 0.3076,
0.4243

■ 34.6555, 0.3026,
0.5276

■ 40.4420, 0.3093,
0.3919

■ 33.9277, 0.3013,
0.5568


■ 42.7039, 0.3109,
0.3624


■ 33.4406, 0.3005,
0.5793


■ 45.3252, 0.3123,
0.3364


■ 33.1635, 0.3000,
0.5934


■ 48.3205, 0.3136,
0.3136

 33.0530, 0.2998,
0.5992

 51.7037, 0.3147,
0.2939

 55.4879, 0.3157,
0.2770

 59.6858, 0.3165,
0.2625

 61.5280, 0.3161,
0.2565

Harmonies

Analogous

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



36.9308, 0.3792, 0.4686



36.9308, 0.3059, 0.4589



36.9308, 0.2384, 0.3957

Triad

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



36.9308, 0.3059, 0.4589



36.9308, 0.1944, 0.2181



36.9308, 0.4460, 0.3229

Complementary

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



36.9308, 0.3059, 0.4589



22.8244, 0.3187, 0.2263

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.



36.9308, 0.3834, 0.2715



36.9308, 0.3059, 0.4589



36.9308, 0.2366, 0.2137

Square

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



36.9308, 0.3059, 0.4589



36.9308, 0.1799, 0.2502



36.9308, 0.3041, 0.2330



36.9308, 0.4656, 0.3795

Rectangle

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



36.9308, 0.3059, 0.4589



36.9308, 0.2057, 0.3399



36.9308, 0.3041, 0.2330



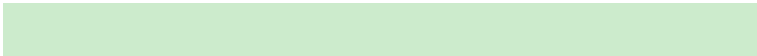
36.9308, 0.4289, 0.3048

Sweetspot

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



36.9324, 0.3059, 0.4589



76.4227, 0.3109, 0.3628



43.8515, 0.3759, 0.4334



16.3154, 0.3105, 0.3690



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.



36.9324, 0.3059, 0.4589



63.8909, 0.3042, 0.4933



37.8861, 0.2802, 0.3931



9.4918, 0.3114, 0.3522



22.7867, 0.2997, 0.5990



0.7175, 0.2985, 0.5947

Inverse Universe

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



22.8244, 0.3187, 0.2263



35.2038, 0.3200, 0.2059



21.4817, 0.3668, 0.2737



8.6448, 0.3140, 0.3068



9.0089, 0.3240, 0.1559



0.2840, 0.3231, 0.1554

Previews

White Background



This preview shows how the Yxy color 36.9308, 0.3059, 0.4589 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 36.9308, 0.3059, 0.4589 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

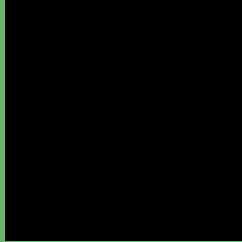
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 36.9308, 0.3059, 0.4589

Background



This preview shows how black text looks on a background with the Yxy color 36.9308, 0.3059, 0.4589.



This preview shows how white text looks on a background with the Yxy color 36.9308, 0.3059, 0.4589.

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

36.9308, 0.3059, 0.4589

Protanopia

36.5224, 0.3876, 0.4211

Deuteranopia

36.5048, 0.3977, 0.3902



Tritanopia

37.0009, 0.2612, 0.3092

Trichromacy



Original Color

36.9308, 0.3059, 0.4589



Protanomaly

36.2489, 0.3539, 0.4357



Deuteranomaly

35.6744, 0.3605, 0.4140



Tritanomaly

36.6377, 0.2773, 0.3594

Monochromacy



Original Color

36.9308, 0.3059, 0.4589



Achromatopsia

30.0544, 0.3127, 0.3290



Achromatomaly

32.0887, 0.3096, 0.3750

CSS Examples

Text

The CSS property to change the color of the text to Yxy 36.9308, 0.3059, 0.4589 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(103, 181, 104)` looks like.

```
.text, #text, p{  
    color:rgb(103, 181, 104)  
}
```

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(103, 181, 104) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(103, 181, 104) }
```

Border

The CSS property to change the border of an element to Yxy 36.9308, 0.3059, 0.4589 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(103, 181, 104) }
```

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

```
.border{ border-color:rgb(103, 181, 104) }
```

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

Here you see how a box with a 4 pixel `rgb(103, 181, 104)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(103, 181, 104); -webkit-box-  
shadow:4px 4px 4px 4px rgb(103, 181, 104);  
box-shadow:4px 4px 4px 4px rgb(103, 181,  
104) }
```


Background

The CSS property to change the background color of an element to Yxy 36.9308, 0.3059, 0.4589 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(103, 181, 104) }
```

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

```
.background{ background-color: rgb(103,  
181, 104) }
```

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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