

Converting Colors

$Yxy(36.8034, 0.3053, 0.4074)$

Have a look what the booklet for
Yxy(36.8034, 0.3053, 0.4074)
contains.

Yxy(36.8201, 0.3049, 0.4069)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(36.8201, 0.3049, 0.4069)

Conversions

Conversions Part 1

Format	Color
Hex	7BB080
RGB	123, 176, 128
RGB Percent	48%, 69%, 50%
CMY	0.5177, 0.3098, 0.4980
CMYK	0.30, 0.00, 0.27, 0.31
HSL	126°, 25%, 59%
HSV	126°, 30%, 69%
XYZ	27.5902, 36.8201, 26.0790
YIQ	154.6810, -16.1800, -26.1640

Conversions

Conversions Part 2

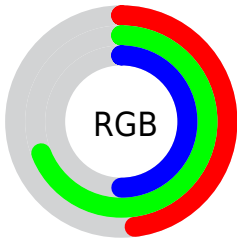
Format	Color
RYB	123, 171, 176
Decimal	8106112
CIELab	67.14, -27.31, 19.14
CIElCh	67, 33.350, 144.970
Yxy	36.8201, 0.3049, 0.4069
Android (android.graphics.Color)	4286296192 (0xFF7BB080)
YUV	154.6810, -13.1537, -27.7842
Hunter-Lab	60.6796, -25.0277, 16.9939

Details

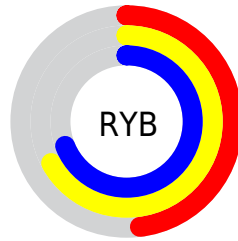
The Yxy color **36.8201, 0.3049, 0.4069** is a dark color, and the websafe version is hex **669966**. A complement of this color would be **26.3355, 0.3215, 0.2619**, and the grayscale version is **32.6953, 0.3127, 0.3290**.

A 20% lighter version of the original color is **70.3965, 0.3072, 0.3908**, and **16.1081, 0.3002, 0.4331** is the 20% darker color. If you saturate the color by 10%, you get **35.2510, 0.3024, 0.4382**, and if you desaturate by 10%, it is **38.6916, 0.3075, 0.3781**.

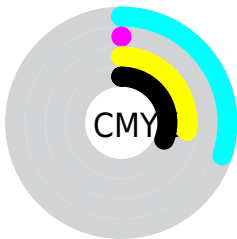
Distribution



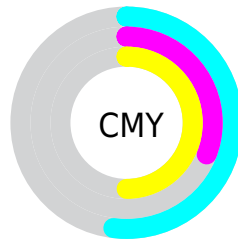
- Red (48%)
- Green (69%)
- Blue (50%)



- Red (48%)
- Yellow (67%)
- Blue (69%)



- Cyan (30%)
- Magenta (0%)
- Yellow (27%)
- Black (31%)




- Cyan (52%)
- Magenta (31%)
- Yellow (50%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 36.8201, 0.3049, 0.4069 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 36.8201, 0.3049, 0.4069 by changing the saturation by 10% instead.


 36.8201, 0.3049,
0.4069


 36.8201, 0.3049,
0.4069


332.5310, 0.3099,
0.3646


 25.0682, 0.3032,
0.4186


 70.2960, 0.3070,
0.3907

 16.1279, 0.3007,
0.4345


 92.7888, 0.3077,
0.3849

 9.6147, 0.2968,
0.4569


 119.6308, 0.3083,
0.3800

 5.1443, 0.2899,
0.4911

151.2062, 0.3087,
0.3760

 2.3321, 0.2771,
0.5509

187.8996, 0.3091,
0.3725

 0.7906, 0.0969,
0.9031

230.0952, 0.3094,

 0.0000, 0.0000,

0.3695

0.0000

278.1776, 0.3097,
0.3669

■ 36.8201, 0.3049,
0.4069

■ 36.8201, 0.3049,
0.4069

■ 35.2510, 0.3024,
0.4382

■ 38.6916, 0.3075,
0.3781

■ 33.9640, 0.3001,
0.4709

■ 40.8752, 0.3102,
0.3522

■ 32.9437, 0.2984,
0.5035


■ 43.3860, 0.3127,
0.3293


■ 32.1713, 0.2973,
0.5341


■ 46.2367, 0.3151,
0.3093


■ 31.6255, 0.2969,
0.5603


■ 49.4394, 0.3173,
0.2919

 31.2814, 0.2974,
0.5804

 53.0055, 0.3193,
0.2770

 31.0914, 0.2981,
0.5932

 56.9459, 0.3212,
0.2641

 59.5320, 0.3163,
0.2517

Harmonies

Analogous

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



36.8201, 0.3544, 0.4206



36.8201, 0.3049, 0.4069



36.8201, 0.2597, 0.3658

Triad

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



36.8201, 0.3049, 0.4069



36.8201, 0.2341, 0.2524



36.8201, 0.4026, 0.3322

Complementary

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



36.8201, 0.3049, 0.4069



26.3355, 0.3215, 0.2619

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.



36.8201, 0.3651, 0.2944



36.8201, 0.3049, 0.4069



36.8201, 0.2667, 0.2500

Square

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



36.8201, 0.3049, 0.4069



36.8201, 0.2213, 0.2745



36.8201, 0.3142, 0.2652



36.8201, 0.4132, 0.3719

Rectangle

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



36.8201, 0.3049, 0.4069



36.8201, 0.2377, 0.3318



36.8201, 0.3142, 0.2652



36.8201, 0.3926, 0.3190

Sweetspot

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



36.8217, 0.3049, 0.4069



74.5415, 0.3104, 0.3498



41.2059, 0.3531, 0.4039



16.0225, 0.3100, 0.3533



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.



36.8217, 0.3049, 0.4069



64.8641, 0.3032, 0.4270



37.5931, 0.2856, 0.3637



9.5027, 0.3104, 0.3502



22.8155, 0.2979, 0.5923



0.7221, 0.2897, 0.5629

Inverse Universe

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



26.3355, 0.3215, 0.2619



42.8273, 0.3238, 0.2475



25.4426, 0.3513, 0.2969



8.6326, 0.3152, 0.3086



8.6224, 0.3459, 0.1679



0.2753, 0.3381, 0.1636

Previews

White Background



This preview shows how the Yxy color 36.8201, 0.3049, 0.4069 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 36.8201, 0.3049, 0.4069 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

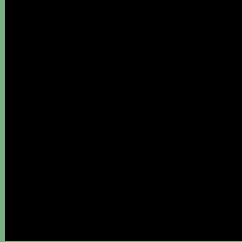
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 36.8201, 0.3049, 0.4069

Background



This preview shows how black text looks on a background with the Yxy color 36.8201, 0.3049, 0.4069.



This preview shows how white text looks on a background with the Yxy color 36.8201, 0.3049, 0.4069.

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

36.8201, 0.3049, 0.4069

Protanopia

36.5982, 0.3611, 0.3879

Deuteranopia

36.2617, 0.3697, 0.3620



Tritanopia

36.7399, 0.2722, 0.3095

Trichromacy



Original Color

36.8201, 0.3049, 0.4069

Protanomaly

36.4291, 0.3385, 0.3958

Deuteranomaly

35.8324, 0.3436, 0.3764

Tritanomaly

36.7808, 0.2840, 0.3444

Monochromacy



Original Color

36.8201, 0.3049, 0.4069

Achromatopsia

32.7778, 0.3127, 0.3290

Achromatomaly

34.0784, 0.3095, 0.3571

CSS Examples

Text

The CSS property to change the color of the text to Yxy 36.8201, 0.3049, 0.4069 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(123, 176, 128)` looks like.

```
.text, #text, p{  
    color:rgb(123, 176, 128)  
}
```

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(123, 176, 128) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(123, 176, 128) }
```

Border

The CSS property to change the border of an element to Yxy 36.8201, 0.3049, 0.4069 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(123, 176, 128) }
```

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

```
.border{ border-color:rgb(123, 176, 128) }
```

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

Here you see how a box with a 4 pixel `rgb(123, 176, 128)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(123, 176, 128); -webkit-box-shadow:4px 4px 4px 4px rgb(123, 176, 128); box-shadow:4px 4px 4px 4px rgb(123, 176, 128) }
```


Background

The CSS property to change the background color of an element to Yxy 36.8201, 0.3049, 0.4069 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(123, 176, 128) }
```

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

```
.background{ background-color: rgb(123,  
176, 128) }
```

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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