

Converting Colors

$Yxy(36.8020, 0.3035, 0.3786)$

Have a look what the booklet for
Yxy(36.8020, 0.3035, 0.3786)
contains.

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Color

Yxy(36.7968, 0.3034, 0.3795)

Conversions

Conversions Part 1

Format	Color
Hex	85AD8D
RGB	133, 173, 141
RGB Percent	52%, 68%, 55%
CMY	0.4786, 0.3215, 0.4471
CMYK	0.23, 0.00, 0.19, 0.32
HSL	132°, 20%, 60%
HSV	132°, 23%, 68%
XYZ	29.4180, 36.7968, 30.7464
YIQ	157.3920, -13.5680, -18.4320

Conversions

Conversions Part 2

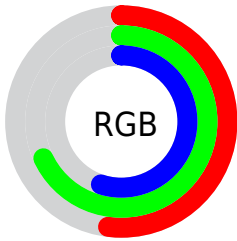
Format	Color
RYB	133, 166, 173
Decimal	8760717
CIELab	67.12, -20.08, 12.11
CIELCh	67, 23.445, 148.913
Yxy	36.7968, 0.3034, 0.3795
Android (android.graphics.Color)	4286950797 (0xFF85AD8D)
YUV	157.3920, -8.0813, -21.3918
Hunter-Lab	60.6604, -19.5897, 12.4104

Details

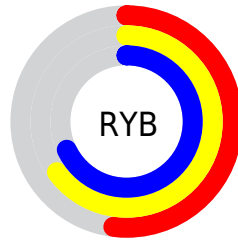
The Yxy color **36.7968, 0.3034, 0.3795** is a dark color, and the websafe version is hex **99CC99**. A complement of this color would be **28.3646, 0.3237, 0.2833**, and the grayscale version is **33.9410, 0.3127, 0.3290**.

A 20% lighter version of the original color is **70.5435, 0.3054, 0.3692**, and **15.9821, 0.2990, 0.3955** is the 20% darker color. If you saturate the color by 10%, you get **35.1184, 0.2996, 0.4055**, and if you desaturate by 10%, it is **38.7616, 0.3074, 0.3560**.

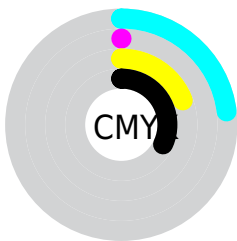
Distribution



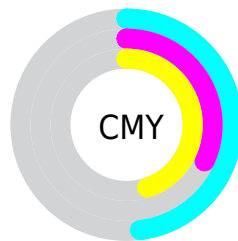
- Red (52%)
- Green (68%)
- Blue (55%)



- Red (52%)
- Yellow (65%)
- Blue (68%)



- Cyan (23%)
- Magenta (0%)
- Yellow (19%)
- Black (32%)





- Cyan (48%)
- Magenta (32%)
- Yellow (45%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 36.7968, 0.3034, 0.3795 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 36.7968, 0.3034, 0.3795 by changing the saturation by 10% instead.


 36.7968, 0.3034,
0.3795

 36.7968, 0.3034,
0.3795


332.4299, 0.3087,
0.3524

 25.0502, 0.3019,
0.3869


 70.2602, 0.3055,
0.3692

 16.1145, 0.2997,
0.3969


 92.7457, 0.3062,
0.3655

 9.6052, 0.2966,
0.4109


 119.5797, 0.3068,
0.3624

 5.1380, 0.2916,
0.4323

151.1465, 0.3073,
0.3598

 2.3284, 0.2824,
0.4681

187.8305, 0.3077,
0.3575

 0.7887, 0.2447,
0.7436

230.0162, 0.3081,

 0.0000, 0.0000,

0.3556

0.0000

278.0879, 0.3084,
0.3539

■ 36.7968, 0.3034,
0.3795

■ 36.7968, 0.3034,
0.3795

■ 35.1184, 0.2996,
0.4055

■ 38.7616, 0.3074,
0.3560

■ 33.7086, 0.2961,
0.4336

■ 41.0206, 0.3115,
0.3351

■ 32.5546, 0.2933,
0.4631


■ 43.5870, 0.3154,
0.3167

■ 31.6407, 0.2914,
0.4928


■ 46.4716, 0.3192,
0.3006


■ 30.9497, 0.2907,
0.5213


■ 49.6851, 0.3228,
0.2866


 30.4615, 0.2912,
0.5468

 53.2373, 0.3261,
0.2745

 30.1528, 0.2929,
0.5678

 57.1378, 0.3292,
0.2640

 30.0122, 0.2942,
0.5792

 58.1583, 0.3191,
0.2518

 58.3727, 0.3165,
0.2488

Harmonies

Analogous

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



36.7968, 0.3387, 0.3925



36.7968, 0.3034, 0.3795



36.7968, 0.2718, 0.3503

Triad

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



36.7968, 0.3034, 0.3795



36.7968, 0.2586, 0.2731



36.7968, 0.3778, 0.3363

Complementary

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



36.7968, 0.3034, 0.3795



28.3646, 0.3237, 0.2833

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.



36.7968, 0.3539, 0.3078



36.7968, 0.3034, 0.3795



36.7968, 0.2843, 0.2725

Square

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



36.7968, 0.3034, 0.3795



36.7968, 0.2470, 0.2881



36.7968, 0.3191, 0.2851



36.7968, 0.3829, 0.3646

Rectangle

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



36.7968, 0.3034, 0.3795



36.7968, 0.2568, 0.3272



36.7968, 0.3191, 0.2851



36.7968, 0.3716, 0.3265

Sweetspot

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



36.7984, 0.3034, 0.3795



71.7825, 0.3099, 0.3431



39.5845, 0.3393, 0.3871



15.5498, 0.3096, 0.3442



86.8899, 0.3127, 0.3290



16.2647, 0.3127, 0.3290

Same Dimension

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



36.7984, 0.3034, 0.3795



64.2254, 0.3013, 0.3931



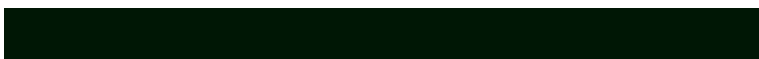
37.4487, 0.2880, 0.3474



8.9647, 0.3090, 0.3476



22.0512, 0.2938, 0.5777



0.6209, 0.2787, 0.5235

Inverse Universe

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



28.3646, 0.3237, 0.2833



46.3433, 0.3267, 0.2725



27.6922, 0.3455, 0.3114



8.1201, 0.3167, 0.3111



7.8896, 0.3781, 0.1857



0.2264, 0.3579, 0.1745

Previews

White Background



This preview shows how the Yxy color 36.7968, 0.3034, 0.3795 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 36.7968, 0.3034, 0.3795 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

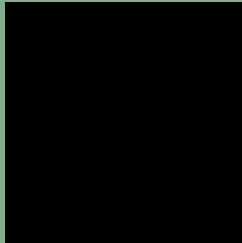
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 36.7968, 0.3034, 0.3795

Background



This preview shows how black text looks on a background with the Yxy color 36.7968, 0.3034, 0.3795.



This preview shows how white text looks on a background with the Yxy color 36.7968, 0.3034, 0.3795.

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

36.7968, 0.3034, 0.3795

Protanopia

36.7426, 0.3460, 0.3679

Deuteranopia

36.4418, 0.3533, 0.3470



Tritanopia

36.9169, 0.2782, 0.3098

Trichromacy



Original Color

36.7968, 0.3034, 0.3795

Protanomaly

36.7415, 0.3294, 0.3724

Deuteranomaly

36.2845, 0.3336, 0.3583

Tritanomaly

36.8210, 0.2873, 0.3350

Monochromacy



Original Color

36.7968, 0.3034, 0.3795

Achromatopsia

33.7164, 0.3127, 0.3290

Achromatomaly

34.7247, 0.3090, 0.3473

CSS Examples

Text

The CSS property to change the color of the text to Yxy 36.7968, 0.3034, 0.3795 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(133, 173, 141)` looks like.

```
.text, #text, p{  
    color:rgb(133, 173, 141)  
}
```

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(133, 173, 141) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(133, 173, 141) }
```

Border

The CSS property to change the border of an element to Yxy 36.7968, 0.3034, 0.3795 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(133, 173, 141) }
```

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

```
.border{ border-color:rgb(133, 173, 141) }
```

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

Here you see how a box with a 4 pixel `rgb(133, 173, 141)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(133, 173, 141); -webkit-box-  
shadow:4px 4px 4px 4px rgb(133, 173, 141);  
box-shadow:4px 4px 4px 4px rgb(133, 173,  
141) }
```


Background

The CSS property to change the background color of an element to Yxy 36.7968, 0.3034, 0.3795 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(133, 173, 141) }
```

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

```
.background{ background-color: rgb(133,  
173, 141) }
```

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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