

# Converting Colors

$Yxy(36.0789, 0.3455, 0.3447)$

Have a look what the booklet for  
Yxy(36.0789, 0.3455, 0.3447)  
contains.

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# Color

**Yxy(36.2323, 0.3460, 0.3459)**

# Conversions

## Conversions Part 1

Format	Color
Hex	B49E92
RGB	180, 158, 146
RGB Percent	71%, 62%, 57%
CMY	0.2940, 0.3804, 0.4275
CMYK	0.00, 0.12, 0.19, 0.29
HSL	21°, 19%, 64%
HSV	21°, 19%, 71%
XYZ	36.2428, 36.2323, 32.2728
YIQ	163.2100, 16.9640, 0.9320

# Conversions

## Conversions Part 2

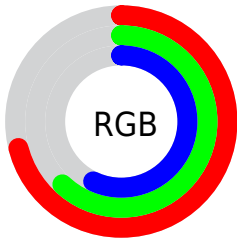
<b>Format</b>	<b>Color</b>
<b>RYB</b>	180, 165, 146
Decimal	11837074
CIELab	66.70, 6.12, 9.23
CIELCh	67, 11.078, 56.451
Yxy	36.2323, 0.3460, 0.3459
Android (android.graphics.Color)	4290027154 (0xFFB49E92)
YUV	163.2100, -8.4845, 14.7248
Hunter-Lab	60.1933, 2.1378, 10.3468

# Details

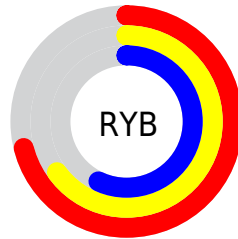
The Yxy color **36.2323, 0.3460, 0.3459** is a light color, and the websafe version is hex **999999**. A complement of this color would be **37.4237, 0.2838, 0.3115**, and the grayscale version is **36.7671, 0.3127, 0.3290**.

A 20% lighter version of the original color is **69.5915, 0.3392, 0.3431**, and **15.8719, 0.3561, 0.3506** is the 20% darker color. If you saturate the color by 10%, you get **31.9276, 0.3680, 0.3555**, and if you desaturate by 10%, it is **41.0057, 0.3271, 0.3367**.

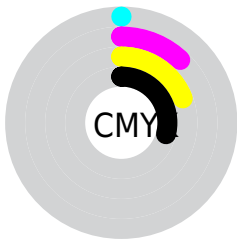
# Distribution



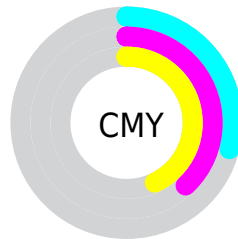
- Red (71%)
- Green (62%)
- Blue (57%)



- Red (71%)
- Yellow (65%)
- Blue (57%)



- Cyan (0%)
- Magenta (12%)
- Yellow (19%)
- Black (29%)




- Cyan (29%)
- Magenta (38%)
- Yellow (43%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 36.2323, 0.3460, 0.3459 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 36.2323, 0.3460, 0.3459 by changing the saturation by 10% instead.





 36.2323, 0.3460,  
0.3459


 36.2323, 0.3460,  
0.3459


329.9747, 0.3286,  
0.3373

 24.6137, 0.3506,  
0.3481

 69.3905, 0.3395,  
0.3427

 15.7895, 0.3567,  
0.3509


 91.6988, 0.3371,  
0.3416

 9.3753, 0.3652,  
0.3547


118.3391, 0.3351,  
0.3406

 4.9868, 0.3776,  
0.3601

149.6958, 0.3334,  
0.3397

 2.2395, 0.3975,  
0.3681

186.1534, 0.3319,  
0.3390

 0.7414, 0.4861,  
0.4219


228.0961, 0.3307,

 0.0000, 0.0000,


0.3384

0.0000


275.9084, 0.3295,  
0.3378

 36.2323, 0.3460,  
0.3459


 36.2323, 0.3460,  
0.3459

 31.9276, 0.3680,  
0.3555


 41.0057, 0.3271,  
0.3367


 28.0721, 0.3935,  
0.3650


 46.2567, 0.3111,  
0.3281


 24.6521, 0.4225,  
0.3740

 52.0003, 0.2974,  
0.3201

 21.6513, 0.4546,  
0.3816

 58.2492, 0.2858,  
0.3128

 19.0523, 0.4886,  
0.3867

 65.0157, 0.2758,  
0.3060

■ 16.8362, 0.5225,  
0.3880

■ 72.3115, 0.2673,  
0.2999

■ 14.9823, 0.5535,  
0.3845

■ 79.0034, 0.2682,  
0.3120

■ 13.4633, 0.5796,  
0.3767

■ 86.0722, 0.2697,  
0.3248

■ 13.3154, 0.5824,  
0.3758

■ 88.4475, 0.2701,  
0.3289

# Harmonies

## Analogous

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



36.2323, 0.3427, 0.3320



36.2323, 0.3460, 0.3459



36.2323, 0.3401, 0.3558

# Triad

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



36.2323, 0.3460, 0.3459



36.2323, 0.2943, 0.3404



36.2323, 0.2981, 0.3010

# Complementary

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



36.2323, 0.3460, 0.3459



37.4237, 0.2838, 0.3115

# 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.



36.2323, 0.2857, 0.3024



36.2323, 0.3460, 0.3459



36.2323, 0.2836, 0.3248

# Square

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



36.2323, 0.3460, 0.3459



36.2323, 0.3101, 0.3530



36.2323, 0.2805, 0.3109



36.2323, 0.3147, 0.3066



# Rectangle

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



36.2323, 0.3460, 0.3459



36.2323, 0.3319, 0.3586



36.2323, 0.2805, 0.3109



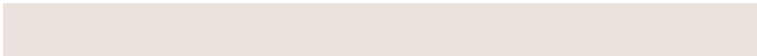
36.2323, 0.2933, 0.3006

# Sweetspot

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



36.2339, 0.3460, 0.3459



76.9033, 0.3224, 0.3342



33.0937, 0.3264, 0.2985



16.4936, 0.3234, 0.3348



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.



36.2339, 0.3460, 0.3459



62.0698, 0.3555, 0.3502



42.4145, 0.3419, 0.3687



8.9792, 0.3279, 0.3371



9.4054, 0.5802, 0.3775



0.4083, 0.5262, 0.4204



# Inverse Universe

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



37.4237, 0.2838, 0.3115



64.6502, 0.2770, 0.3068



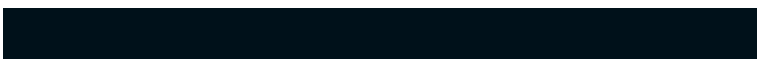
31.5711, 0.2824, 0.2860



9.1172, 0.2986, 0.3208



11.2342, 0.1920, 0.2111



0.4582, 0.2022, 0.2478



# Previews

## White Background



This preview shows how the Yxy color 36.2323, 0.3460, 0.3459 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 36.2323, 0.3460, 0.3459 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

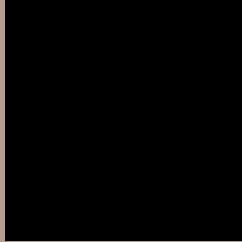
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 36.2323, 0.3460, 0.3459**

## **Background**



This preview shows how black text looks on a background with the Yxy color 36.2323, 0.3460, 0.3459.



This preview shows how white text looks on a background with the Yxy color 36.2323, 0.3460, 0.3459.

# 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

36.2323, 0.3460, 0.3459

### Protanopia

36.4138, 0.3321, 0.3493

### Deuteranopia

36.3796, 0.3503, 0.3443



## Tritanopia

36.3000, 0.3293, 0.3127

# Trichromacy



## Original Color

36.2323, 0.3460, 0.3459

## Protanomaly

36.4806, 0.3372, 0.3491

## Deuteranomaly

36.2565, 0.3493, 0.3444

## Tritanomaly

36.2252, 0.3358, 0.3249

# Monochromacy



## Original Color

36.2323, 0.3460, 0.3459

## Achromatopsia

36.6253, 0.3127, 0.3290

## Achromatomaly

36.3591, 0.3240, 0.3348

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 36.2323, 0.3460, 0.3459 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(180, 158, 146)` looks like.

```
.text, #text, p{  
    color:rgb(180, 158, 146)  
}
```

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(180, 158, 146) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(180, 158, 146) }
```

## Border

The CSS property to change the border of an element to Yxy 36.2323, 0.3460, 0.3459 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(180, 158, 146) }
```

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

```
.border{ border-color:rgb(180, 158, 146) }
```

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

Here you see how a box with a 4 pixel `rgb(180, 158, 146)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(180, 158, 146); -webkit-box-  
shadow:4px 4px 4px 4px rgb(180, 158, 146);  
box-shadow:4px 4px 4px 4px rgb(180, 158,  
146) }
```



# Background

The CSS property to change the background color of an element to Yxy 36.2323, 0.3460, 0.3459 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(180, 158, 146) }
```

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

```
.background{ background-color: rgb(180,  
158, 146) }
```

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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