

Converting Colors

$Yxy(35.9393, 0.3104, 0.3218)$

Have a look what the booklet for
Yxy(35.9393, 0.3104, 0.3218)
contains.

Yxy(36.0294, 0.3102, 0.3218)	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(36.0294, 0.3102, 0.3218)

Conversions

Conversions Part 1

Format	Color
Hex	A3A1A6
RGB	163, 161, 166
RGB Percent	64%, 63%, 65%
CMY	0.3608, 0.3686, 0.3490
CMYK	0.02, 0.03, 0.00, 0.35
HSL	264°, 3%, 64%
HSV	264°, 3%, 65%
XYZ	34.7306, 36.0294, 41.2020
YIQ	162.1680, -0.4130, 1.9790

Conversions

Conversions Part 2

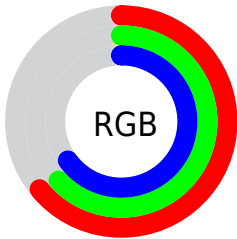
Format	Color
RYB	163, 161, 166
Decimal	10723750
CIELab	66.54, 1.67, -2.35
CIELCh	67, 2.882, 305.518
Yxy	36.0294, 0.3102, 0.3218
Android (android.graphics.Color)	4288913830 (0xFFA3A1A6)
YUV	162.1680, 1.8892, 0.7297
Hunter-Lab	60.0245, -1.7614, 1.3193

Details

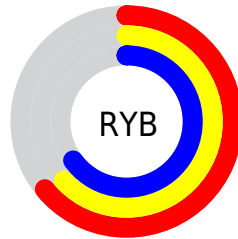
The Yxy color **36.0294, 0.3102, 0.3218** is a light color, and the websafe version is hex **999999**. A complement of this color would be **37.7424, 0.3152, 0.3362**, and the grayscale version is **36.2054, 0.3127, 0.3290**.

A 20% lighter version of the original color is **69.2376, 0.3108, 0.3235**, and **15.7463, 0.3091, 0.3209** is the 20% darker color. If you saturate the color by 10%, you get **29.5933, 0.3010, 0.2964**, and if you desaturate by 10%, it is **43.3226, 0.3181, 0.3449**.

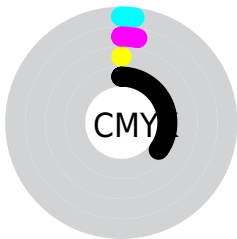
Distribution



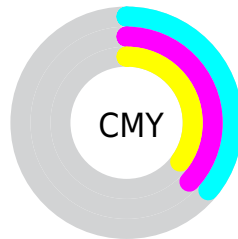
- Red (64%)
- Green (63%)
- Blue (65%)



- Red (64%)
- Yellow (63%)
- Blue (65%)



- Cyan (2%)
- Magenta (3%)
- Yellow (0%)
- Black (35%)



- Cyan (36%)
- Magenta (37%)
- Yellow (35%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 36.0294, 0.3102, 0.3218 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 36.0294, 0.3102, 0.3218 by changing the saturation by 10% instead.

■ 36.0294, 0.3102,
0.3218

■ 36.0294, 0.3102,
0.3218

■ 329.0890, 0.3115,
0.3256

■ 24.4569, 0.3098,
0.3208

■ 69.0774, 0.3107,
0.3232

■ 15.6729, 0.3094,
0.3195

■ 91.3218, 0.3109,
0.3237

■ 9.2930, 0.3087,
0.3177

■ 117.8922, 0.3110,
0.3241

■ 4.9328, 0.3078,
0.3151

■ 149.1730, 0.3112,
0.3245

■ 2.2079, 0.3062,
0.3109

■ 185.5488, 0.3113,
0.3248

■ 0.7243, 0.3031,
0.3010

■ 227.4037, 0.3114,

■ 0.0000, 0.0000,

0.3251

0.0000

275.1224, 0.3114,
0.3253

■ 36.0294, 0.3102,
0.3218

■ 36.0294, 0.3102,
0.3218

■ 29.5933, 0.3010,
0.2964

■ 43.3226, 0.3181,
0.3449

■ 23.9775, 0.2903,
0.2688

■ 51.4987, 0.3248,
0.3656

■ 19.1497, 0.2782,
0.2393

■ 60.5879, 0.3305,
0.3841

■ 15.0732, 0.2647,
0.2089

■ 70.6177, 0.3352,
0.4005

■ 11.7085, 0.2502,
0.1785

■ 81.6145, 0.3392,
0.4151

■ 9.0125, 0.2350,
0.1496

■ 89.9720, 0.3437,
0.4231

■ 6.9371, 0.2199,
0.1238

■ 91.6105, 0.3505,
0.4210

■ 5.4274, 0.2055,
0.1027

■ 93.3446, 0.3573,
0.4188

■ 4.4183, 0.1927,
0.0873

■ 95.1759, 0.3642,
0.4167

Harmonies

Analogous

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



36.0294, 0.3065, 0.3217



36.0294, 0.3102, 0.3218



36.0294, 0.3146, 0.3238

Triad

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



36.0294, 0.3102, 0.3218



36.0294, 0.3211, 0.3345



36.0294, 0.3069, 0.3308

Complementary

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



36.0294, 0.3102, 0.3218



37.7424, 0.3152, 0.3362

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.



36.0294, 0.3108, 0.3343



36.0294, 0.3102, 0.3218



36.0294, 0.3190, 0.3364

Square

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



36.0294, 0.3102, 0.3218



36.0294, 0.3210, 0.3311



36.0294, 0.3152, 0.3364



36.0294, 0.3046, 0.3268

Rectangle

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



36.0294, 0.3102, 0.3218



36.0294, 0.3174, 0.3260



36.0294, 0.3152, 0.3364



36.0294, 0.3080, 0.3321

Sweetspot

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



36.0309, 0.3102, 0.3218



67.8994, 0.3119, 0.3266



36.9139, 0.3082, 0.3262



15.2109, 0.3119, 0.3267



84.8088, 0.3127, 0.3290



15.4872, 0.3127, 0.3290

Same Dimension

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



36.0309, 0.3102, 0.3218



64.0734, 0.3093, 0.3192



36.2901, 0.3125, 0.3219



8.1479, 0.3088, 0.3178



3.0554, 0.1856, 0.0796



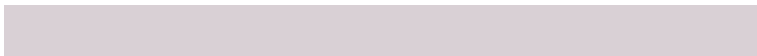
0.1042, 0.2258, 0.1017

Inverse Universe

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



36.2807, 0.3148, 0.3247



64.6840, 0.3156, 0.3232



37.4861, 0.3129, 0.3362



8.2372, 0.3160, 0.3223



7.0114, 0.4499, 0.2252



0.1802, 0.3974, 0.1963

Previews

White Background



This preview shows how the Yxy color 36.0294, 0.3102, 0.3218 looks on a white background.

Color Contrast Check

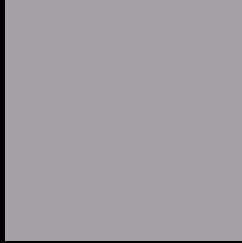
Large Text (above 18pt) WCAG AA × Fail

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 36.0294, 0.3102, 0.3218 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

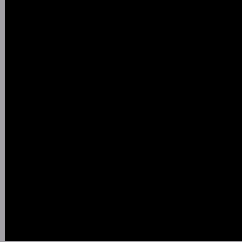
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

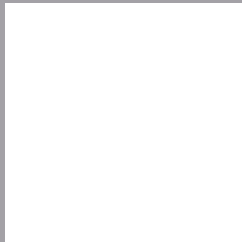
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 36.0294, 0.3102, 0.3218

Background



This preview shows how black text looks on a background with the Yxy color 36.0294, 0.3102, 0.3218.



This preview shows how white text looks on a background with the Yxy color 36.0294, 0.3102, 0.3218.

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

36.0294, 0.3102, 0.3218

Protanopia

36.0294, 0.3102, 0.3218

Deuteranopia

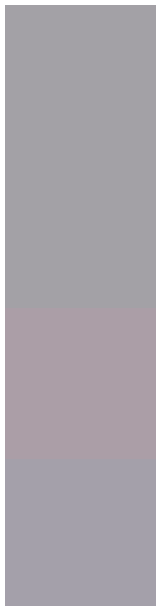
36.0179, 0.3212, 0.3151



Tritanopia

36.0513, 0.3051, 0.3105

Trichromacy



Original Color

36.0294, 0.3102, 0.3218

Protanomaly

36.0294, 0.3102, 0.3218

Deuteranomaly

35.9017, 0.3172, 0.3163

Tritanomaly

35.9364, 0.3077, 0.3147

Monochromacy



Original Color

36.0294, 0.3102, 0.3218

Achromatopsia

36.1307, 0.3127, 0.3290

Achromatomaly

36.1664, 0.3118, 0.3276

CSS Examples

Text

The CSS property to change the color of the text to Yxy 36.0294, 0.3102, 0.3218 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(163, 161, 166)` looks like.

```
.text, #text, p{  
    color:rgb(163, 161, 166)  
}
```

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(163, 161, 166) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(163, 161, 166) }
```

Border

The CSS property to change the border of an element to Yxy 36.0294, 0.3102, 0.3218 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(163, 161, 166) }
```

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

```
.border{ border-color:rgb(163, 161, 166) }
```

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

Here you see how a box with a 4 pixel `rgb(163, 161, 166)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(163, 161, 166); -webkit-box-  
shadow:4px 4px 4px 4px rgb(163, 161, 166);  
box-shadow:4px 4px 4px 4px rgb(163, 161,  
166) }
```


Background

The CSS property to change the background color of an element to Yxy 36.0294, 0.3102, 0.3218 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(163, 161, 166) }
```

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

```
.background{ background-color: rgb(163,  
161, 166) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor