

Converting Colors

$Yxy(37.0167, 0.3186, 0.3336)$

Have a look what the booklet for
Yxy(37.0167, 0.3186, 0.3336)
contains.

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Color

Yxy(36.9479, 0.3192, 0.3333)

Conversions

Conversions Part 1

Format	Color
Hex	A7A3A0
RGB	167, 163, 160
RGB Percent	65%, 64%, 63%
CMY	0.3449, 0.3608, 0.3726
CMYK	0.00, 0.02, 0.04, 0.34
HSL	26°, 4%, 64%
HSV	26°, 4%, 66%
XYZ	35.3848, 36.9479, 38.5220
YIQ	163.8540, 3.3470, -0.0850

Conversions

Conversions Part 2

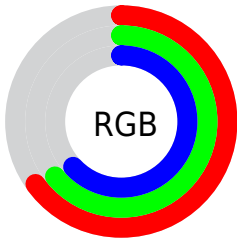
Format	Color
RYB	167, 165, 160
Decimal	10986400
CIELab	67.24, 0.91, 2.06
CIELCh	67, 2.251, 66.243
Yxy	36.9479, 0.3192, 0.3333
Android (android.graphics.Color)	4289176480 (0xFFA7A3A0)
YUV	163.8540, -1.9000, 2.7590
Hunter-Lab	60.7848, -2.4626, 4.9746

Details

The Yxy color **36.9479, 0.3192, 0.3333** is a light color, and the websafe version is hex **999999**. A complement of this color would be **36.8325, 0.3064, 0.3247**, and the grayscale version is **37.0625, 0.3127, 0.3290**.

A 20% lighter version of the original color is **70.5787, 0.3176, 0.3323**, and **16.1178, 0.3206, 0.3331** is the 20% darker color. If you saturate the color by 10%, you get **33.1222, 0.3363, 0.3440**, and if you desaturate by 10%, it is **41.1144, 0.3045, 0.3233**.

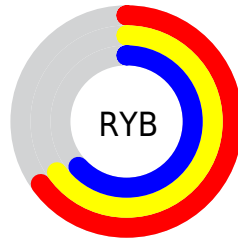
Distribution



Red (65%)

Green (64%)

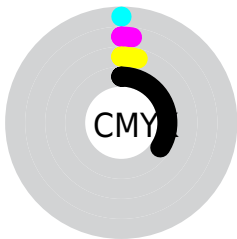
Blue (63%)



Red (65%)

Yellow (65%)

Blue (63%)

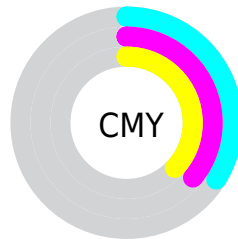


Cyan (0%)

Magenta (2%)

Yellow (4%)

Black (34%)



Cyan (34%)


Magenta (36%)

Yellow (37%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 36.9479, 0.3192, 0.3333 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 36.9479, 0.3192, 0.3333 by changing the saturation by 10% instead.


 36.9479, 0.3192,
0.3333


 36.9479, 0.3192,
0.3333


333.0849, 0.3158,
0.3311

 25.1672, 0.3201,
0.3339


 70.4926, 0.3179,
0.3325

 16.2016, 0.3213,
0.3346


 93.0254, 0.3175,
0.3322

 9.6669, 0.3229,
0.3357


119.9110, 0.3171,
0.3319

 5.1787, 0.3252,
0.3372

151.5338, 0.3168,
0.3317

 2.3525, 0.3290,
0.3397

188.2782, 0.3165,
0.3315

 0.8013, 0.3388,
0.3464


230.5286, 0.3162,


 0.0000, 0.0000,


0.3314


0.0000


278.6694, 0.3160,
0.3312

 36.9479, 0.3192,
0.3333


 36.9479, 0.3192,
0.3333

 33.1222, 0.3363,
0.3440


 41.1144, 0.3045,
0.3233


 29.6235, 0.3560,
0.3552


 45.6252, 0.2918,
0.3141


 26.4443, 0.3785,
0.3666

 50.4902, 0.2808,
0.3056

 23.5749, 0.4040,
0.3778

 55.7172, 0.2713,
0.2978

 21.0050, 0.4321,
0.3879

 61.3138, 0.2631,
0.2907

■ 18.7237, 0.4621,
0.3961

■ 66.9465, 0.2586,
0.2897

■ 16.7193, 0.4927,
0.4009

■ 72.1514, 0.2601,
0.3009

■ 14.9790, 0.5219,
0.4014

■ 77.6508, 0.2615,
0.3120

■ 13.4886, 0.5475,
0.3966

■ 83.4494, 0.2630,
0.3227

Harmonies

Analogous

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



36.9479, 0.3191, 0.3307



36.9479, 0.3192, 0.3333



36.9479, 0.3175, 0.3348

Triad

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



36.9479, 0.3192, 0.3333



36.9479, 0.3081, 0.3303



36.9479, 0.3109, 0.3234

Complementary

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



36.9479, 0.3192, 0.3333



36.8325, 0.3064, 0.3247

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.



36.9479, 0.3079, 0.3233



36.9479, 0.3192, 0.3333



36.9479, 0.3064, 0.3273

Square

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



36.9479, 0.3192, 0.3333



36.9479, 0.3111, 0.3331



36.9479, 0.3063, 0.3247



36.9479, 0.3143, 0.3250

Rectangle

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



36.9479, 0.3192, 0.3333



36.9479, 0.3157, 0.3349



36.9479, 0.3063, 0.3247



36.9479, 0.3098, 0.3232

Sweetspot

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



36.9495, 0.3192, 0.3333



68.4562, 0.3142, 0.3300



36.0446, 0.3158, 0.3231



15.3286, 0.3142, 0.3300



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.



36.9495, 0.3192, 0.3333



65.5157, 0.3206, 0.3342



38.1963, 0.3188, 0.3382



8.3794, 0.3214, 0.3347



9.8280, 0.5596, 0.3938



0.3412, 0.5028, 0.4390

Inverse Universe

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



36.8325, 0.3064, 0.3247



65.2644, 0.3051, 0.3237



35.6091, 0.3065, 0.3196



8.3442, 0.3043, 0.3232



8.6356, 0.1850, 0.1861



0.3083, 0.1996, 0.2385

Previews

White Background



This preview shows how the Yxy color 36.9479, 0.3192, 0.3333 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 36.9479, 0.3192, 0.3333 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

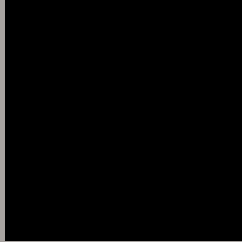
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

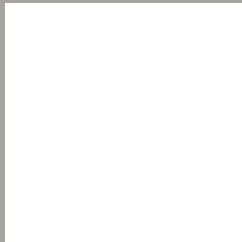
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 36.9479, 0.3192, 0.3333

Background



This preview shows how black text looks on a background with the Yxy color 36.9479, 0.3192, 0.3333.



This preview shows how white text looks on a background with the Yxy color 36.9479, 0.3192, 0.3333.

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

36.9479, 0.3192, 0.3333

Protanopia

36.9479, 0.3192, 0.3333

Deuteranopia

36.7302, 0.3316, 0.3249



Tritanopia

36.9807, 0.3089, 0.3108

Trichromacy



Original Color

36.9479, 0.3192, 0.3333

Protanomaly

36.9479, 0.3192, 0.3333

Deuteranomaly

36.8288, 0.3263, 0.3276

Tritanomaly

37.0301, 0.3122, 0.3191

Monochromacy



Original Color

36.9479, 0.3192, 0.3333

Achromatopsia

37.1238, 0.3127, 0.3290

Achromatomaly

37.1946, 0.3145, 0.3304

CSS Examples

Text

The CSS property to change the color of the text to Yxy 36.9479, 0.3192, 0.3333 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(167, 163, 160)` looks like.

```
.text, #text, p{  
    color:rgb(167, 163, 160)  
}
```

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(167, 163, 160) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(167, 163, 160) }
```

Border

The CSS property to change the border of an element to Yxy 36.9479, 0.3192, 0.3333 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(167, 163, 160) }
```

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

```
.border{ border-color:rgb(167, 163, 160) }
```

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

Here you see how a box with a 4 pixel `rgb(167, 163, 160)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(167, 163, 160); -webkit-box-  
shadow:4px 4px 4px 4px rgb(167, 163, 160);  
box-shadow:4px 4px 4px 4px rgb(167, 163,  
160) }
```


Background

The CSS property to change the background color of an element to Yxy 36.9479, 0.3192, 0.3333 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(167, 163, 160) }
```

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

```
.background{ background-color: rgb(167,  
163, 160) }
```

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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