

Converting Colors

$Yxy(37.8576, 0.3179, 0.3282)$

Have a look what the booklet for
Yxy(37.8576, 0.3179, 0.3282)
contains.

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Color

Yxy(37.8136, 0.3175, 0.3276)

Conversions

Conversions Part 1

Format	Color
Hex	AAA4A5
RGB	170, 164, 165
RGB Percent	67%, 64%, 65%
CMY	0.3333, 0.3569, 0.3529
CMYK	0.00, 0.04, 0.03, 0.33
HSL	350°, 3%, 65%
HSV	350°, 4%, 67%
XYZ	36.6478, 37.8136, 40.9647
YIQ	165.9080, 3.2550, 1.5830

Conversions

Conversions Part 2

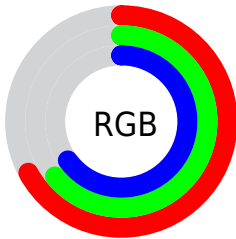
Format	Color
RYB	170, 164, 165
Decimal	11183269
CIELab	67.88, 2.36, 0.24
CIELCh	68, 2.368, 5.908
Yxy	37.8136, 0.3175, 0.3276
Android (android.graphics.Color)	4289373349 (0xFFAAA4A5)
YUV	165.9080, -0.4476, 3.5887
Hunter-Lab	61.4928, -1.2318, 3.5476

Details

The Yxy color **37.8136, 0.3175, 0.3276** is a light color, and the websafe version is hex **999999**. A complement of this color would be **39.5148, 0.3081, 0.3304**, and the grayscale version is **38.0895, 0.3127, 0.3290**.

A 20% lighter version of the original color is **71.8379, 0.3164, 0.3279**, and **16.6321, 0.3195, 0.3271** is the 20% darker color. If you saturate the color by 10%, you get **31.6435, 0.3331, 0.3235**, and if you desaturate by 10%, it is **44.8577, 0.3049, 0.3314**.

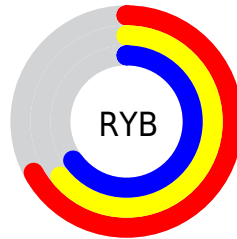
Distribution



Red (67%)

Green (64%)

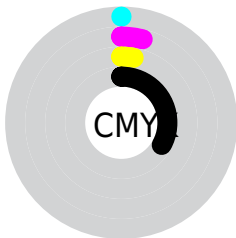
Blue (65%)



Red (67%)

Yellow (64%)

Blue (65%)

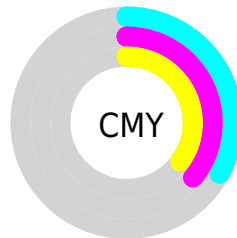


Cyan (0%)

Magenta (4%)

Yellow (3%)

Black (33%)



Cyan (33%)

Magenta (36%)

Yellow (35%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 37.8136, 0.3175, 0.3276 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 37.8136, 0.3175, 0.3276 by changing the saturation by 10% instead.

■ 37.8136, 0.3175,
0.3276

■ 37.8136, 0.3175,
0.3276

■ 336.8197, 0.3150,
0.3283

■ 25.8381, 0.3181,
0.3274

■ 71.8223, 0.3166,
0.3279

■ 16.7025, 0.3190,
0.3272

■ 94.6243, 0.3162,
0.3280

■ 10.0226, 0.3202,
0.3268

■ 121.8039, 0.3160,
0.3281

■ 5.4140, 0.3219,
0.3263

■ 153.7455, 0.3157,
0.3281

■ 2.4921, 0.3246,
0.3255

■ 190.8335, 0.3155,
0.3282

■ 0.8727, 0.3296,
0.3240


■ 233.4522, 0.3153,


■ 0.0000, 0.0000,


0.3282

0.0000


281.9862, 0.3152,
0.3283


 37.8136, 0.3175,
0.3276

 37.8136, 0.3175,
0.3276


 31.6435, 0.3331,
0.3235


 44.8577, 0.3049,
0.3314


 26.3085, 0.3524,
0.3191


 52.8029, 0.2946,
0.3350


 21.7742, 0.3761,
0.3146

 61.6813, 0.2862,
0.3382

 18.0019, 0.4049,
0.3103

 71.5218, 0.2794,
0.3411

 14.9495, 0.4392,
0.3067

 82.3521, 0.2737,
0.3437

■ 12.5711, 0.4783,
0.3044

■ 86.9714, 0.2675,
0.3343

■ 10.8151, 0.5203,
0.3042

■ 87.2884, 0.2652,
0.3289

■ 9.6228, 0.5614,
0.3068

■ 8.9239, 0.5963,
0.3122

Harmonies

Analogous

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



37.8136, 0.3143, 0.3248



37.8136, 0.3175, 0.3276



37.8136, 0.3194, 0.3307

Triad

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



37.8136, 0.3175, 0.3276



37.8136, 0.3147, 0.3349



37.8136, 0.3060, 0.3245

Complementary

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



37.8136, 0.3175, 0.3276



39.5148, 0.3081, 0.3304

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.



37.8136, 0.3061, 0.3272



37.8136, 0.3175, 0.3276



37.8136, 0.3111, 0.3333

Square

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



37.8136, 0.3175, 0.3276



37.8136, 0.3178, 0.3350



37.8136, 0.3080, 0.3304



37.8136, 0.3077, 0.3231

Rectangle

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



37.8136, 0.3175, 0.3276



37.8136, 0.3197, 0.3327



37.8136, 0.3080, 0.3304



37.8136, 0.3058, 0.3253

Sweetspot

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



37.8152, 0.3175, 0.3276



71.6665, 0.3141, 0.3286



37.8902, 0.3122, 0.3206



15.9973, 0.3140, 0.3286



86.8899, 0.3127, 0.3290



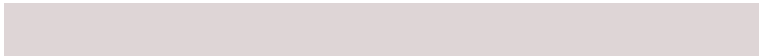
16.2647, 0.3127, 0.3290

Same Dimension

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



37.8152, 0.3175, 0.3276



67.9607, 0.3182, 0.3274



38.5031, 0.3182, 0.3318



8.2094, 0.3191, 0.3272



6.3552, 0.6123, 0.3147



0.1604, 0.5365, 0.2729

Inverse Universe

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



37.8152, 0.3175, 0.3276



67.9607, 0.3182, 0.3274



38.8055, 0.3074, 0.3261



8.2094, 0.3191, 0.3272



6.3552, 0.6123, 0.3147



0.1604, 0.5365, 0.2729

Previews

White Background



This preview shows how the Yxy color 37.8136, 0.3175, 0.3276 looks on a white background.

Color Contrast Check

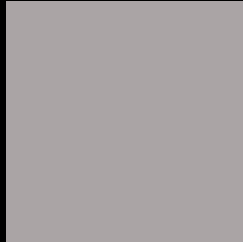
Large Text (above 18pt) WCAG AA × Fail

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 37.8136, 0.3175, 0.3276 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

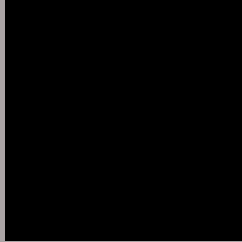
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

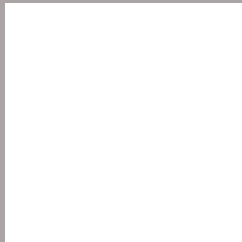
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 37.8136, 0.3175, 0.3276

Background



This preview shows how black text looks on a background with the Yxy color 37.8136, 0.3175, 0.3276.

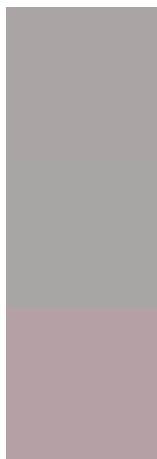


This preview shows how white text looks on a background with the Yxy color 37.8136, 0.3175, 0.3276.

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

37.8136, 0.3175, 0.3276

Protanopia

37.9517, 0.3155, 0.3290

Deuteranopia

37.7185, 0.3276, 0.3209



Tritanopia

37.7065, 0.3107, 0.3110

Trichromacy



Original Color

37.8136, 0.3175, 0.3276

Protanomaly

38.0619, 0.3165, 0.3290

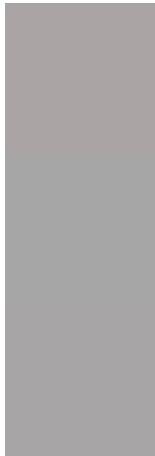
Deuteranomaly

37.5900, 0.3236, 0.3221

Tritanomaly

37.7926, 0.3132, 0.3179

Monochromacy



Original Color

37.8136, 0.3175, 0.3276

Achromatopsia

38.1326, 0.3127, 0.3290

Achromatomaly

37.8789, 0.3137, 0.3276

CSS Examples

Text

The CSS property to change the color of the text to Yxy 37.8136, 0.3175, 0.3276 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(170, 164, 165)` looks like.

```
.text, #text, p{  
    color:rgb(170, 164, 165)  
}
```

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(170, 164, 165) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(170, 164, 165) }
```

Border

The CSS property to change the border of an element to Yxy 37.8136, 0.3175, 0.3276 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(170, 164, 165) }
```

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

```
.border{ border-color:rgb(170, 164, 165) }
```

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

Here you see how a box with a 4 pixel `rgb(170, 164, 165)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(170, 164, 165); -webkit-box-  
shadow:4px 4px 4px 4px rgb(170, 164, 165);  
box-shadow:4px 4px 4px 4px rgb(170, 164,  
165) }
```


Background

The CSS property to change the background color of an element to Yxy 37.8136, 0.3175, 0.3276 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(170, 164, 165) }
```

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

```
.background{ background-color: rgb(170,  
164, 165) }
```

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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