

Converting Colors

$Yxy(37.7465, 0.3155, 0.3667)$

Have a look what the booklet for
Yxy(37.7465, 0.3155, 0.3667)
contains.

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Color

Yxy(37.7805, 0.3155, 0.3666)

Conversions

Conversions Part 1

Format	Color
Hex	97AB92
RGB	151, 171, 146
RGB Percent	59%, 67%, 57%
CMY	0.4078, 0.3294, 0.4276
CMYK	0.12, 0.00, 0.15, 0.33
HSL	108°, 13%, 62%
HSV	108°, 15%, 67%
XYZ	32.5143, 37.7805, 32.7617
YIQ	162.1700, -3.8950, -12.0150

Conversions

Conversions Part 2

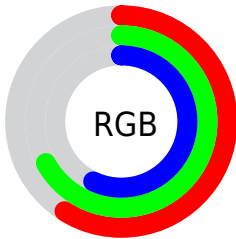
Format	Color
RYB	146, 171, 166
Decimal	9939858
CIELab	67.86, -11.77, 10.57
CIELCh	68, 15.816, 138.088
Yxy	37.7805, 0.3155, 0.3666
Android (android.graphics.Color)	4288129938 (0xFF97AB92)
YUV	162.1700, -7.9718, -9.7961
Hunter-Lab	61.4658, -13.1420, 11.4242

Details

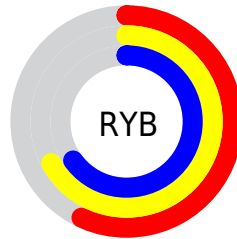
The Yxy color **37.7805, 0.3155, 0.3666** is a light color, and the websafe version is hex **999999**. A complement of this color would be **31.5926, 0.3093, 0.2931**, and the grayscale version is **36.2558, 0.3127, 0.3290**.

A 20% lighter version of the original color is **71.5420, 0.3148, 0.3586**, and **16.7292, 0.3165, 0.3805** is the 20% darker color. If you saturate the color by 10%, you get **36.0574, 0.3171, 0.3957**, and if you desaturate by 10%, it is **39.7378, 0.3136, 0.3402**.

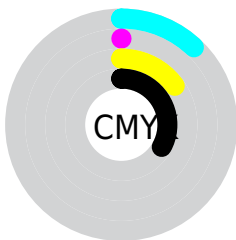
Distribution



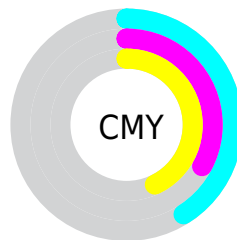
- Red (59%)
- Green (67%)
- Blue (57%)



- Red (57%)
- Yellow (67%)
- Blue (65%)



- Cyan (12%)
- Magenta (0%)
- Yellow (15%)
- Black (33%)





- Cyan (41%)
- Magenta (33%)
- Yellow (43%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 37.7805, 0.3155, 0.3666 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 37.7805, 0.3155, 0.3666 by changing the saturation by 10% instead.


 37.7805, 0.3155,
0.3666


 37.7805, 0.3155,
0.3666


336.6774, 0.3143,
0.3467

 25.8124, 0.3157,
0.3719


 71.7716, 0.3151,
0.3591

 16.6833, 0.3160,
0.3790


 94.5633, 0.3149,
0.3564

 10.0090, 0.3163,
0.3890


121.7317, 0.3148,
0.3541

 5.4049, 0.3164,
0.4037

153.6612, 0.3147,
0.3522

 2.4867, 0.3161,
0.4279

190.7361, 0.3145,
0.3505

 0.8700, 0.3334,
0.5376

233.3408, 0.3144,

 0.0000, 0.0000,

0.3491

0.0000

281.8598, 0.3144,
0.3478

■ 37.7805, 0.3155,
0.3666

■ 37.7805, 0.3155,
0.3666

■ 36.0574, 0.3171,
0.3957

■ 39.7378, 0.3136,
0.3402

■ 34.5549, 0.3183,
0.4273

■ 41.9326, 0.3116,
0.3168

■ 33.2654, 0.3190,
0.4603

■ 44.3744, 0.3096,
0.2960

■ 32.1791, 0.3188,
0.4935

■ 47.0705, 0.3076,
0.2779

■ 31.2854, 0.3177,
0.5249

■ 50.0280, 0.3057,
0.2620

■ 30.5723, 0.3156,
0.5524

■ 53.2538, 0.3038,
0.2482

■ 30.0271, 0.3126,
0.5741

■ 56.0478, 0.3099,
0.2452

■ 29.6344, 0.3090,
0.5885

■ 57.6066, 0.3166,
0.2469

■ 29.4746, 0.3072,
0.5943

Harmonies

Analogous

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



37.7805, 0.3384, 0.3710



37.7805, 0.3155, 0.3666



37.7805, 0.2924, 0.3508

Triad

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



37.7805, 0.3155, 0.3666



37.7805, 0.2719, 0.2939



37.7805, 0.3515, 0.3273

Complementary

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



37.7805, 0.3155, 0.3666



31.5926, 0.3093, 0.2931

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.



37.7805, 0.3325, 0.3084



37.7805, 0.3155, 0.3666



37.7805, 0.2865, 0.2895

Square

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



37.7805, 0.3155, 0.3666



37.7805, 0.2678, 0.3080



37.7805, 0.3085, 0.2948



37.7805, 0.3598, 0.3472

Rectangle

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



37.7805, 0.3155, 0.3666



37.7805, 0.2800, 0.3365



37.7805, 0.3085, 0.2948



37.7805, 0.3461, 0.3206

Sweetspot

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



37.7821, 0.3155, 0.3666



71.3772, 0.3135, 0.3388



37.8524, 0.3353, 0.3571



15.8561, 0.3137, 0.3407



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.



37.7821, 0.3155, 0.3666



66.4794, 0.3161, 0.3770



37.5373, 0.3051, 0.3561



9.0142, 0.3145, 0.3522



22.2374, 0.3077, 0.5939



0.6407, 0.3277, 0.5780

Inverse Universe

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



31.5926, 0.3093, 0.2931



52.9543, 0.3083, 0.2836



31.8850, 0.3212, 0.3034



8.0654, 0.3107, 0.3064



6.2191, 0.2712, 0.1267



0.1934, 0.2872, 0.1356

Previews

White Background



This preview shows how the Yxy color 37.7805, 0.3155, 0.3666 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 37.7805, 0.3155, 0.3666 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

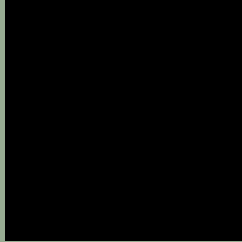
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

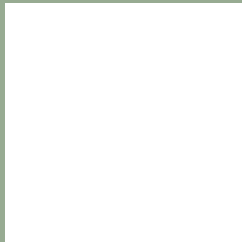
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 37.7805, 0.3155, 0.3666

Background



This preview shows how black text looks on a background with the Yxy color 37.7805, 0.3155, 0.3666.



This preview shows how white text looks on a background with the Yxy color 37.7805, 0.3155, 0.3666.

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

37.7805, 0.3155, 0.3666

Protanopia

37.7777, 0.3401, 0.3604

Deuteranopia

37.4992, 0.3509, 0.3441



Tritanopia

37.5950, 0.2930, 0.3104

Trichromacy



Original Color

37.7805, 0.3155, 0.3666

Protanomaly

37.6504, 0.3309, 0.3625

Deuteranomaly

37.2996, 0.3378, 0.3518

Tritanomaly

37.6653, 0.3009, 0.3304

Monochromacy



Original Color

37.7805, 0.3155, 0.3666

Achromatopsia

36.1307, 0.3127, 0.3290

Achromatomaly

36.5797, 0.3140, 0.3422

CSS Examples

Text

The CSS property to change the color of the text to Yxy 37.7805, 0.3155, 0.3666 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(151, 171, 146)` looks like.

```
.text, #text, p{  
    color:rgb(151, 171, 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(151, 171, 146) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(151, 171, 146) }
```

Border

The CSS property to change the border of an element to Yxy 37.7805, 0.3155, 0.3666 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(151, 171, 146) }
```

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

```
.border{ border-color:rgb(151, 171, 146) }
```

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

Here you see how a box with a 4 pixel `rgb(151, 171, 146)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(151, 171, 146); -webkit-box-  
shadow:4px 4px 4px 4px rgb(151, 171, 146);  
box-shadow:4px 4px 4px 4px rgb(151, 171,  
146) }
```


Background

The CSS property to change the background color of an element to Yxy 37.7805, 0.3155, 0.3666 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(151, 171, 146) }
```

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

```
.background{ background-color: rgb(151,  
171, 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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