

Converting Colors

$Y_{xy}(37.2125, 0.3157, 0.3311)$

Have a look what the booklet for
Yxy(37.2125, 0.3157, 0.3311)
contains.

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Color

Yxy(37.2665, 0.3163, 0.3319)

Conversions

Conversions Part 1

Format	Color
Hex	A6A4A2
RGB	166, 164, 162
RGB Percent	65%, 64%, 64%
CMY	0.3492, 0.3568, 0.3647
CMYK	0.00, 0.01, 0.02, 0.35
HSL	31°, 2%, 64%
HSV	31°, 2%, 65%
XYZ	35.5149, 37.2665, 39.5009
YIQ	164.3700, 1.8340, -0.1980

Conversions

Conversions Part 2

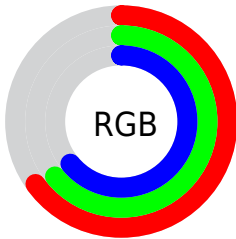
Format	Color
RYB	166, 166, 162
Decimal	10921122
CIELab	67.48, 0.32, 1.28
CIElCh	67, 1.323, 76.055
Yxy	37.2665, 0.3163, 0.3319
Android (android.graphics.Color)	4289111202 (0xFFA6A4A2)
YUV	164.3700, -1.1684, 1.4295
Hunter-Lab	61.0463, -2.9851, 4.3679

Details

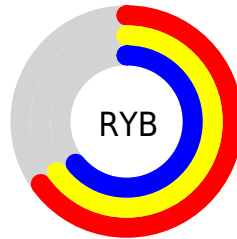
The Yxy color **37.2665, 0.3163, 0.3319** is a light color, and the websafe version is hex **999999**. A complement of this color would be **36.9575, 0.3092, 0.3261**, and the grayscale version is **37.3125, 0.3127, 0.3290**.

A 20% lighter version of the original color is **71.0449, 0.3155, 0.3312**, and **16.2915, 0.3178, 0.3330** is the 20% darker color. If you saturate the color by 10%, you get **33.9062, 0.3326, 0.3446**, and if you desaturate by 10%, it is **40.8929, 0.3020, 0.3200**.

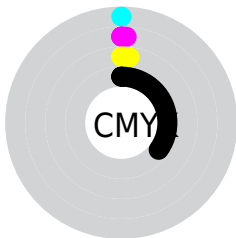
Distribution



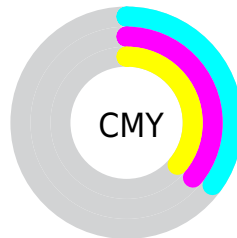
- Red (65%)
- Green (64%)
- Blue (64%)



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



- Cyan (0%)
- Magenta (1%)
- Yellow (2%)
- Black (35%)



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

Brightness & Saturation Gradients

These gradients show how the Yxy color 37.2665, 0.3163, 0.3319 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 37.2665, 0.3163, 0.3319 by changing the saturation by 10% instead.

■ 37.2665, 0.3163,
0.3319

■ 37.2665, 0.3163,
0.3319

334.4629, 0.3144,
0.3304

■ 25.4139, 0.3168,
0.3323

■ 70.9825, 0.3156,
0.3313

■ 16.3857, 0.3174,
0.3328

■ 93.6146, 0.3154,
0.3311

■ 9.7975, 0.3183,
0.3335

120.6088, 0.3151,
0.3310

■ 5.2649, 0.3196,
0.3345

152.3493, 0.3150,
0.3308

■ 2.4035, 0.3217,
0.3362

189.2205, 0.3148,
0.3307

■ 0.8277, 0.3265,
0.3401

231.6070, 0.3147,

■ 0.0000, 0.0000,

0.3306

0.0000

279.8930, 0.3146,
0.3305

■ 37.2665, 0.3163,
0.3319

■ 37.2665, 0.3163,
0.3319

■ 33.9062, 0.3326,
0.3446

■ 40.8929, 0.3020,
0.3200

■ 30.8006, 0.3511,
0.3578

■ 44.7868, 0.2895,
0.3091

■ 27.9448, 0.3720,
0.3714

■ 48.9558, 0.2786,
0.2989

■ 25.3316, 0.3950,
0.3848

■ 53.4054, 0.2691,
0.2896

■ 22.9535, 0.4201,
0.3973

■ 58.1414, 0.2607,
0.2811

■ 20.8025, 0.4464,
0.4078

■ 62.7390, 0.2567,
0.2802

■ 18.8701, 0.4730,
0.4153

■ 66.9110, 0.2580,
0.2898

■ 17.1469, 0.4983,
0.4185

■ 71.2898, 0.2593,
0.2993

■ 15.6223, 0.5207,
0.4165

■ 75.8780, 0.2606,
0.3087

Harmonies

Analogous

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



37.2665, 0.3166, 0.3306



37.2665, 0.3163, 0.3319



37.2665, 0.3150, 0.3325

Triad

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



37.2665, 0.3163, 0.3319



37.2665, 0.3096, 0.3292



37.2665, 0.3123, 0.3260

Complementary

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



37.2665, 0.3163, 0.3319



36.9575, 0.3092, 0.3261

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.



37.2665, 0.3104, 0.3256



37.2665, 0.3163, 0.3319



37.2665, 0.3089, 0.3275

Square

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



37.2665, 0.3163, 0.3319



37.2665, 0.3112, 0.3309



37.2665, 0.3092, 0.3261



37.2665, 0.3143, 0.3271

Rectangle

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



37.2665, 0.3163, 0.3319



37.2665, 0.3138, 0.3323



37.2665, 0.3092, 0.3261



37.2665, 0.3116, 0.3257

Sweetspot

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



37.2681, 0.3163, 0.3319



68.5519, 0.3142, 0.3302



36.6202, 0.3147, 0.3262



15.3488, 0.3141, 0.3302



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.



37.2681, 0.3163, 0.3319



67.2565, 0.3173, 0.3327



37.9654, 0.3161, 0.3347



8.5937, 0.3184, 0.3335



11.4077, 0.5349, 0.4135



0.3795, 0.4874, 0.4512

Inverse Universe

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



36.9575, 0.3092, 0.3261



66.5368, 0.3082, 0.3252



36.2712, 0.3093, 0.3233



8.4816, 0.3072, 0.3244



6.8018, 0.1769, 0.1569



0.2683, 0.1941, 0.2188

Previews

White Background



This preview shows how the Yxy color 37.2665, 0.3163, 0.3319 looks on a white background.

Color Contrast Check

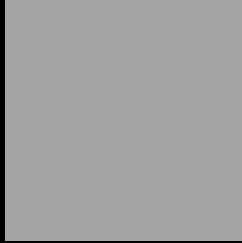
Large Text (above 18pt) WCAG AA × Fail

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 37.2665, 0.3163, 0.3319 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

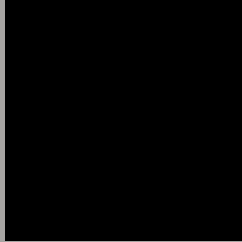
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

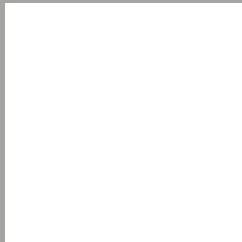
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 37.2665, 0.3163, 0.3319

Background



This preview shows how black text looks on a background with the Yxy color 37.2665, 0.3163, 0.3319.

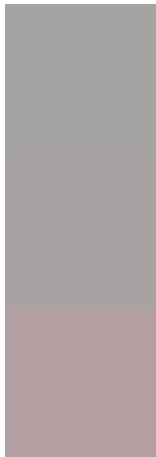


This preview shows how white text looks on a background with the Yxy color 37.2665, 0.3163, 0.3319.

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

37.2665, 0.3163, 0.3319

Protanopia

37.1279, 0.3183, 0.3304

Deuteranopia

37.1439, 0.3295, 0.3235



Tritanopia

37.2606, 0.3070, 0.3108

Trichromacy



Original Color

37.2665, 0.3163, 0.3319

Protanomaly

37.0185, 0.3174, 0.3304

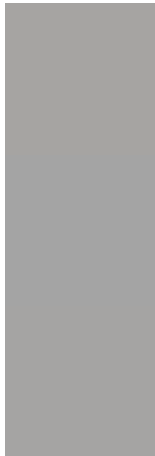
Deuteranomaly

37.2480, 0.3244, 0.3262

Tritanomaly

37.3122, 0.3104, 0.3191

Monochromacy



Original Color

37.2665, 0.3163, 0.3319

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 37.2665, 0.3163, 0.3319 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(166, 164, 162)` looks like.

```
.text, #text, p{  
    color:rgb(166, 164, 162)  
}
```

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(166, 164, 162) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(166, 164, 162) }
```

Border

The CSS property to change the border of an element to Yxy 37.2665, 0.3163, 0.3319 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(166, 164, 162) }
```

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

```
.border{ border-color:rgb(166, 164, 162) }
```

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

Here you see how a box with a 4 pixel `rgb(166, 164, 162)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(166, 164, 162); -webkit-box-  
shadow:4px 4px 4px 4px rgb(166, 164, 162);  
box-shadow:4px 4px 4px 4px rgb(166, 164,  
162) }
```


Background

The CSS property to change the background color of an element to Yxy 37.2665, 0.3163, 0.3319 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(166, 164, 162) }
```

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

```
.background{ background-color: rgb(166,  
164, 162) }
```

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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