

Converting Colors

$Yxy(38.2369, 0.3160, 0.3338)$

Have a look what the booklet for
Yxy(38.2369, 0.3160, 0.3338)
contains.

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Color

Yxy(38.1323, 0.3162, 0.3333)

Conversions

Conversions Part 1

Format	Color
Hex	A7A6A3
RGB	167, 166, 163
RGB Percent	65%, 65%, 64%
CMY	0.3453, 0.3489, 0.3608
CMYK	0.00, 0.01, 0.02, 0.35
HSL	46°, 2%, 65%
HSV	46°, 2%, 65%
XYZ	36.1759, 38.1323, 40.1001
YIQ	165.9570, 1.5590, -0.7210

Conversions

Conversions Part 2

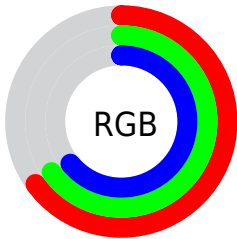
Format	Color
RYB	164, 167, 163
Decimal	10987171
CIELab	68.12, -0.23, 1.67
CIELCh	68, 1.687, 97.693
Yxy	38.1323, 0.3162, 0.3333
Android (android.graphics.Color)	4289177251 (0xFFA7A6A3)
YUV	165.9570, -1.4578, 0.9147
Hunter-Lab	61.7514, -3.4939, 4.7242

Details

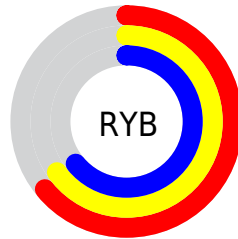
The Yxy color **38.1323, 0.3162, 0.3333** is a light color, and the websafe version is hex **999999**. A complement of this color would be **37.1007, 0.3092, 0.3247**, and the grayscale version is **38.1158, 0.3127, 0.3290**.

A 20% lighter version of the original color is **72.3045, 0.3154, 0.3323**, and **16.8272, 0.3177, 0.3350** is the 20% darker color. If you saturate the color by 10%, you get **36.1590, 0.3317, 0.3520**, and if you desaturate by 10%, it is **40.2321, 0.3020, 0.3156**.

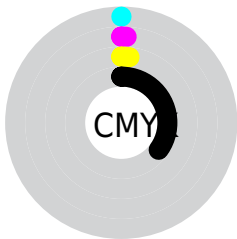
Distribution



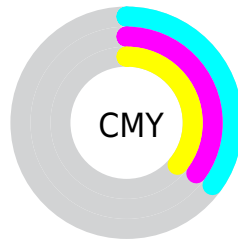
- Red (65%)
- Green (65%)
- Blue (64%)



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



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





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

Brightness & Saturation Gradients


These gradients show how the Yxy color 38.1323, 0.3162, 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 38.1323, 0.3162, 0.3333 by changing the saturation by 10% instead.

 38.1323, 0.3162,
0.3333


 38.1323, 0.3162,
0.3333


338.1872, 0.3144,
0.3311

 26.0854, 0.3167,
0.3339


 72.3109, 0.3155,
0.3325

 16.8875, 0.3173,
0.3346

 95.2113, 0.3153,
0.3322

 10.1543, 0.3181,
0.3357


122.4984, 0.3151,
0.3319

 5.5014, 0.3193,
0.3372

154.5565, 0.3149,
0.3317

 2.5444, 0.3213,
0.3396

191.7701, 0.3148,
0.3315

 0.8988, 0.3253,
0.3445

234.5234, 0.3146,

 0.0000, 0.0000,

0.3314

0.0000

283.2010, 0.3145,
0.3312

■ 38.1323, 0.3162,
0.3333

■ 38.1323, 0.3162,
0.3333

■ 36.1590, 0.3317,
0.3520

■ 40.2321, 0.3020,
0.3156

■ 34.3037, 0.3483,
0.3713

■ 42.4568, 0.2891,
0.2990

■ 32.5646, 0.3659,
0.3908

■ 44.8111, 0.2775,
0.2836

■ 30.9376, 0.3840,
0.4098

■ 47.2980, 0.2670,
0.2695

■ 29.4185, 0.4022,
0.4275

■ 49.9205, 0.2577,
0.2565

■ 28.0028, 0.4197,
0.4429

■ 52.1439, 0.2536,
0.2526

■ 26.6855, 0.4358,
0.4550

■ 53.8766, 0.2542,
0.2574

■ 25.4607, 0.4497,
0.4630

■ 55.6561, 0.2548,
0.2622

■ 24.3217, 0.4609,
0.4663

■ 57.4828, 0.2555,
0.2670

Harmonies

Analogous

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



38.1323, 0.3175, 0.3323



38.1323, 0.3162, 0.3333



38.1323, 0.3140, 0.3332

Triad

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



38.1323, 0.3162, 0.3333



38.1323, 0.3080, 0.3276



38.1323, 0.3140, 0.3261

Complementary

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



38.1323, 0.3162, 0.3333



37.1007, 0.3092, 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.



38.1323, 0.3115, 0.3249



38.1323, 0.3162, 0.3333



38.1323, 0.3080, 0.3258

Square

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



38.1323, 0.3162, 0.3333



38.1323, 0.3092, 0.3299



38.1323, 0.3093, 0.3248



38.1323, 0.3162, 0.3281

Rectangle

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



38.1323, 0.3162, 0.3333



38.1323, 0.3123, 0.3325



38.1323, 0.3093, 0.3248



38.1323, 0.3132, 0.3256

Sweetspot

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



38.1339, 0.3162, 0.3333



68.8314, 0.3142, 0.3308



37.0825, 0.3156, 0.3276



15.4079, 0.3141, 0.3307



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.



38.1339, 0.3162, 0.3333



68.0870, 0.3172, 0.3345



38.3690, 0.3152, 0.3346



8.7233, 0.3182, 0.3358



18.0702, 0.4675, 0.4670



0.5109, 0.4487, 0.4819

Inverse Universe

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



37.1007, 0.3092, 0.3247



65.7154, 0.3082, 0.3234



36.8712, 0.3102, 0.3233



8.3538, 0.3072, 0.3222



3.3382, 0.1580, 0.0888



0.1568, 0.1752, 0.1507

Previews

White Background



This preview shows how the Yxy color 38.1323, 0.3162, 0.3333 looks on a white background.

Color Contrast Check

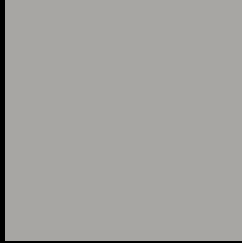
Large Text (above 18pt) WCAG AA × Fail

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 38.1323, 0.3162, 0.3333 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

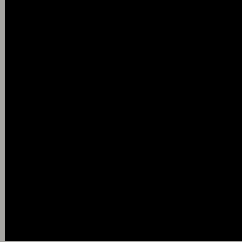
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

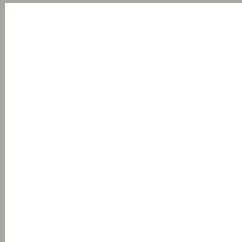
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 38.1323, 0.3162, 0.3333

Background



This preview shows how black text looks on a background with the Yxy color 38.1323, 0.3162, 0.3333.



This preview shows how white text looks on a background with the Yxy color 38.1323, 0.3162, 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

38.1323, 0.3162, 0.3333

Protanopia

38.1007, 0.3191, 0.3318

Deuteranopia

38.2374, 0.3312, 0.3250



Tritanopia

38.1603, 0.3062, 0.3110

Trichromacy



Original Color

38.1323, 0.3162, 0.3333

Protanomaly

37.9896, 0.3182, 0.3318

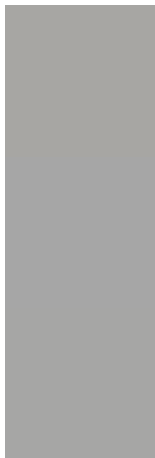
Deuteranomaly

38.2218, 0.3252, 0.3277

Tritanomaly

38.2137, 0.3095, 0.3192

Monochromacy



Original Color

38.1323, 0.3162, 0.3333

Achromatopsia

38.1326, 0.3127, 0.3290

Achromatomaly

38.0960, 0.3136, 0.3304

CSS Examples

Text

The CSS property to change the color of the text to Yxy 38.1323, 0.3162, 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, 166, 163)` looks like.

```
.text, #text, p{  
    color:rgb(167, 166, 163)  
}
```

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, 166, 163) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(167, 166, 163) }
```

Border

The CSS property to change the border of an element to Yxy 38.1323, 0.3162, 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, 166, 163) }
```

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

```
.border{ border-color:rgb(167, 166, 163) }
```

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

Here you see how a box with a 4 pixel `rgb(167, 166, 163)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(167, 166, 163); -webkit-box-  
shadow:4px 4px 4px 4px rgb(167, 166, 163);  
box-shadow:4px 4px 4px 4px rgb(167, 166,  
163) }
```


Background

The CSS property to change the background color of an element to Yxy 38.1323, 0.3162, 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, 166, 163) }
```

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

```
.background{ background-color: rgb(167,  
166, 163) }
```

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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