

Converting Colors

$Y_{xy}(38.7589, 0.3175, 0.3151)$

Have a look what the booklet for
Yxy(38.7589, 0.3175, 0.3151)
contains.

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Color

Yxy(38.6765, 0.3181, 0.3154)

Conversions

Conversions Part 1

Format	Color
Hex	B2A3AD
RGB	178, 163, 173
RGB Percent	70%, 64%, 68%
CMY	0.3018, 0.3608, 0.3216
CMYK	0.00, 0.08, 0.03, 0.30
HSL	320°, 9%, 67%
HSV	320°, 8%, 70%
XYZ	39.0076, 38.6765, 44.9427
YIQ	168.6250, 5.7300, 6.2900

Conversions

Conversions Part 2

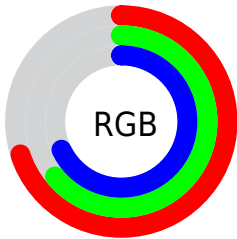
Format	Color
RYB	178, 163, 173
Decimal	11707309
CIELab	68.52, 7.28, -3.19
CIELCh	69, 7.946, 336.296
Yxy	38.6765, 0.3181, 0.3154
Android (android.graphics.Color)	4289897389 (0xFFB2A3AD)
YUV	168.6250, 2.1569, 8.2219
Hunter-Lab	62.1904, 3.1270, 0.6866

Details

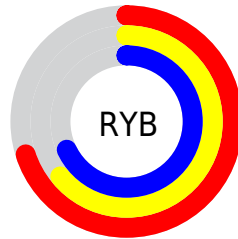
The Yxy color **38.6765, 0.3181, 0.3154** is a light color, and the websafe version is hex **999999**. A complement of this color would be **42.4733, 0.3077, 0.3430**, and the grayscale version is **39.4716, 0.3127, 0.3290**.

A 20% lighter version of the original color is **73.2367, 0.3175, 0.3185**, and **17.1093, 0.3189, 0.3101** is the 20% darker color. If you saturate the color by 10%, you get **32.5688, 0.3255, 0.2986**, and if you desaturate by 10%, it is **45.6880, 0.3118, 0.3314**.

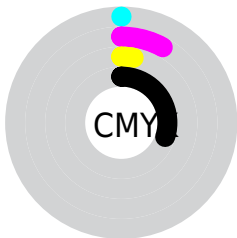
Distribution



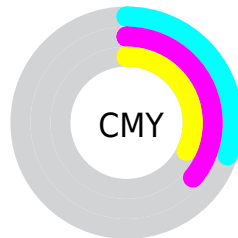
- Red (70%)
- Green (64%)
- Blue (68%)



- Red (70%)
- Yellow (64%)
- Blue (68%)



- Cyan (0%)
- Magenta (8%)
- Yellow (3%)
- Black (30%)




- Cyan (30%)
- Magenta (36%)
- Yellow (32%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 38.6765, 0.3181, 0.3154 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 38.6765, 0.3181, 0.3154 by changing the saturation by 10% instead.

 38.6765, 0.3181,
0.3154


 38.6765, 0.3181,
0.3154

340.5131, 0.3154,
0.3224

 26.5082, 0.3188,
0.3136


 73.1439, 0.3171,
0.3180

 17.2042, 0.3197,
0.3113


 96.2117, 0.3167,
0.3189

 10.3802, 0.3209,
0.3082


123.6814, 0.3164,
0.3197

 5.6517, 0.3227,
0.3037

155.9375, 0.3161,
0.3204

 2.6345, 0.3254,
0.2967

193.3643, 0.3159,
0.3210

 0.9440, 0.3301,
0.2845

236.3463, 0.3157,

 0.0000, 0.3257,

0.3215

0.0000

285.2678, 0.3155,
0.3220

0.0000, 0.0000,
0.0000

38.6765, 0.3181,
0.3154

38.6765, 0.3181,
0.3154

32.5688, 0.3255,
0.2986

45.6880, 0.3118,
0.3314

27.3228, 0.3342,
0.2815

53.6331, 0.3065,
0.3465

22.9004, 0.3443,
0.2644

62.5468, 0.3021,
0.3605

19.2588, 0.3558,
0.2481

72.4604, 0.2984,
0.3734

16.3511, 0.3685,
0.2337

83.4040, 0.2954,
0.3853

■ 14.1257, 0.3823,
0.2220

■ 85.5850, 0.2923,
0.3813

■ 12.5239, 0.3967,
0.2143

■ 85.8860, 0.2892,
0.3743

■ 11.4772, 0.4112,
0.2112

■ 86.1982, 0.2861,
0.3673

■ 10.8684, 0.4255,
0.2127

■ 86.5217, 0.2831,
0.3604

Harmonies

Analogous

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



38.6765, 0.3061, 0.3099



38.6765, 0.3181, 0.3154



38.6765, 0.3288, 0.3244

Triad

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



38.6765, 0.3181, 0.3154



38.6765, 0.3294, 0.3491



38.6765, 0.2908, 0.3227

Complementary

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



38.6765, 0.3181, 0.3154



42.4733, 0.3077, 0.3430

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.



38.6765, 0.2968, 0.3335



38.6765, 0.3181, 0.3154



38.6765, 0.3190, 0.3490

Square

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



38.6765, 0.3181, 0.3154



38.6765, 0.3354, 0.3437



38.6765, 0.3071, 0.3432



38.6765, 0.2906, 0.3139

Rectangle

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



38.6765, 0.3181, 0.3154



38.6765, 0.3336, 0.3312



38.6765, 0.3071, 0.3432



38.6765, 0.2922, 0.3262

Sweetspot

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



38.6782, 0.3181, 0.3154



76.7597, 0.3146, 0.3242



37.7326, 0.3044, 0.3081



16.7803, 0.3151, 0.3229



91.1408, 0.3127, 0.3290



17.8868, 0.3127, 0.3290

Same Dimension

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



38.6782, 0.3181, 0.3154



68.0855, 0.3193, 0.3126



38.3960, 0.3248, 0.3256



8.5973, 0.3187, 0.3140



7.7256, 0.4263, 0.2122



0.2534, 0.3902, 0.1923

Inverse Universe

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



38.6782, 0.3181, 0.3154



68.0855, 0.3193, 0.3126



42.7610, 0.3018, 0.3324



8.5973, 0.3187, 0.3140



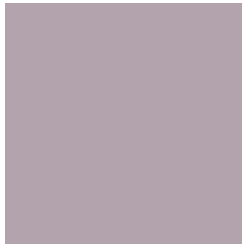
7.7256, 0.4263, 0.2122



0.2534, 0.3902, 0.1923

Previews

White Background



This preview shows how the Yxy color 38.6765, 0.3181, 0.3154 looks on a white background.

Color Contrast Check

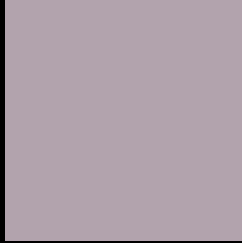
Large Text (above 18pt) WCAG AA × Fail

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 38.6765, 0.3181, 0.3154 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 38.6765, 0.3181, 0.3154

Background



This preview shows how black text looks on a background with the Yxy color 38.6765, 0.3181, 0.3154.



This preview shows how white text looks on a background with the Yxy color 38.6765, 0.3181, 0.3154.

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

38.6765, 0.3181, 0.3154

Protanopia

38.6924, 0.3069, 0.3165

Deuteranopia

38.6815, 0.3210, 0.3142



Tritanopia

38.7545, 0.3163, 0.3127

Trichromacy



Original Color

38.6765, 0.3181, 0.3154

Protanomaly

38.7369, 0.3114, 0.3166

Deuteranomaly

38.5611, 0.3200, 0.3141

Tritanomaly

38.7154, 0.3172, 0.3141

Monochromacy



Original Color

38.6765, 0.3181, 0.3154

Achromatopsia

39.6755, 0.3127, 0.3290

Achromatomaly

39.3104, 0.3148, 0.3249

CSS Examples

Text

The CSS property to change the color of the text to Yxy 38.6765, 0.3181, 0.3154 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(178, 163, 173)` looks like.

```
.text, #text, p{  
    color:rgb(178, 163, 173)  
}
```

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(178, 163, 173) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(178, 163, 173) }
```

Border

The CSS property to change the border of an element to Yxy 38.6765, 0.3181, 0.3154 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(178, 163, 173) }
```

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

```
.border{ border-color:rgb(178, 163, 173) }
```

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

Here you see how a box with a 4 pixel `rgb(178, 163, 173)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(178, 163, 173); -webkit-box-  
shadow:4px 4px 4px 4px rgb(178, 163, 173);  
box-shadow:4px 4px 4px 4px rgb(178, 163,  
173) }
```


Background

The CSS property to change the background color of an element to Yxy 38.6765, 0.3181, 0.3154 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(178, 163, 173) }
```

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

```
.background{ background-color: rgb(178,  
163, 173) }
```

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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