

Converting Colors

$Y_{xy}(38.7265, 0.3122, 0.3212)$

Have a look what the booklet for
Yxy(38.7265, 0.3122, 0.3212)
contains.

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Color

Yxy(38.7588, 0.3121, 0.3220)

Conversions

Conversions Part 1

Format	Color
Hex	AAA6AB
RGB	170, 166, 171
RGB Percent	67%, 65%, 67%
CMY	0.3333, 0.3490, 0.3293
CMYK	0.01, 0.03, 0.00, 0.33
HSL	288°, 3%, 66%
HSV	288°, 3%, 67%
XYZ	37.5671, 38.7588, 44.0430
YIQ	167.7660, 0.7790, 2.4030

Conversions

Conversions Part 2

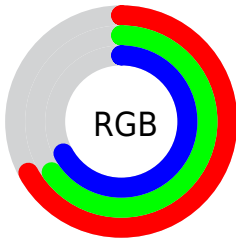
Format	Color
RYB	170, 166, 171
Decimal	11183787
CIELab	68.58, 2.39, -2.09
CIELCh	69, 3.172, 318.775
Yxy	38.7588, 0.3121, 0.3220
Android (android.graphics.Color)	4289373867 (0xFFAAA6AB)
YUV	167.7660, 1.5944, 1.9592
Hunter-Lab	62.2566, -1.2377, 1.6353

Details

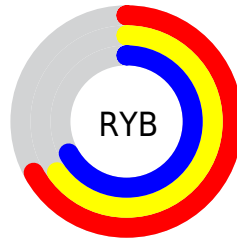
The Yxy color **38.7588, 0.3121, 0.3220** is a light color, and the websafe version is hex **999999**. A complement of this color would be **40.1079, 0.3133, 0.3361**, and the grayscale version is **39.0307, 0.3127, 0.3290**.

A 20% lighter version of the original color is **73.2114, 0.3123, 0.3236**, and **17.2181, 0.3119, 0.3193** is the 20% darker color. If you saturate the color by 10%, you get **32.5673, 0.3097, 0.2973**, and if you desaturate by 10%, it is **45.7908, 0.3140, 0.3453**.

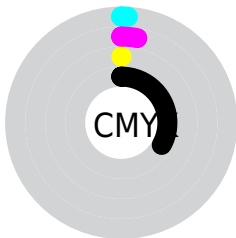
Distribution



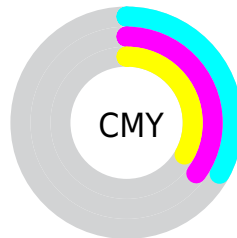
- Red (67%)
- Green (65%)
- Blue (67%)



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



- Cyan (1%)
- Magenta (3%)
- Yellow (0%)
- Black (33%)





- Cyan (33%)
- Magenta (35%)
- Yellow (33%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 38.7588, 0.3121, 0.3220 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 38.7588, 0.3121, 0.3220 by changing the saturation by 10% instead.


 38.7588, 0.3121,
0.3220


 38.7588, 0.3121,
0.3220

340.8639, 0.3124,
0.3256

 26.5721, 0.3120,
0.3211


 73.2697, 0.3122,
0.3233

 17.2521, 0.3119,
0.3199


 96.3627, 0.3123,
0.3238

 10.4144, 0.3117,
0.3182


123.8600, 0.3123,
0.3242

 5.6746, 0.3115,
0.3158

156.1459, 0.3123,
0.3246

 2.6482, 0.3111,
0.3121

193.6049, 0.3124,
0.3249

 0.9510, 0.3103,
0.3054

236.6213, 0.3124,

 0.0000, 0.0000,

0.3252

0.0000

285.5795, 0.3124,
0.3254

■ 38.7588, 0.3121,
0.3220

■ 38.7588, 0.3121,
0.3220

■ 32.5673, 0.3097,
0.2973

■ 45.7908, 0.3140,
0.3453

■ 27.1789, 0.3068,
0.2717

■ 53.6890, 0.3156,
0.3669

■ 22.5606, 0.3033,
0.2456

■ 62.4842, 0.3167,
0.3867

■ 18.6753, 0.2993,
0.2200

■ 72.2041, 0.3176,
0.4049

■ 15.4827, 0.2948,
0.1957

■ 82.8753, 0.3183,
0.4213

■ 12.9387, 0.2898,
0.1739

■ 85.5249, 0.3201,
0.4239

■ 10.9941, 0.2846,
0.1554

■ 85.9815, 0.3223,
0.4233

■ 9.5923, 0.2792,
0.1411

■ 86.4490, 0.3245,
0.4226

■ 8.6659, 0.2739,
0.1313

■ 86.9273, 0.3267,
0.4220

Harmonies

Analogous

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



38.7588, 0.3076, 0.3209



38.7588, 0.3121, 0.3220



38.7588, 0.3168, 0.3249

Triad

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



38.7588, 0.3121, 0.3220



38.7588, 0.3210, 0.3360



38.7588, 0.3051, 0.3291

Complementary

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



38.7588, 0.3121, 0.3220



40.1079, 0.3133, 0.3361

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.



38.7588, 0.3086, 0.3332



38.7588, 0.3121, 0.3220



38.7588, 0.3178, 0.3372

Square

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



38.7588, 0.3121, 0.3220



38.7588, 0.3220, 0.3330



38.7588, 0.3133, 0.3362



38.7588, 0.3036, 0.3250

Rectangle

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



38.7588, 0.3121, 0.3220



38.7588, 0.3194, 0.3275



38.7588, 0.3133, 0.3362



38.7588, 0.3061, 0.3305

Sweetspot

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



38.7605, 0.3121, 0.3220



71.6938, 0.3125, 0.3266



38.7187, 0.3084, 0.3235



16.0031, 0.3125, 0.3267



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.



38.7605, 0.3121, 0.3220



68.0647, 0.3119, 0.3193



38.8210, 0.3143, 0.3240



8.7428, 0.3117, 0.3179



6.1963, 0.2706, 0.1265



0.1929, 0.2868, 0.1354

Inverse Universe

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



38.7246, 0.3165, 0.3276



67.9775, 0.3180, 0.3270



40.0494, 0.3112, 0.3341



8.7300, 0.3188, 0.3267



6.6238, 0.6030, 0.3096



0.1918, 0.5241, 0.2661

Previews

White Background



This preview shows how the Yxy color 38.7588, 0.3121, 0.3220 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 38.7588, 0.3121, 0.3220 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

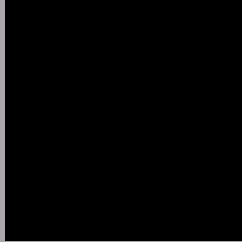
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

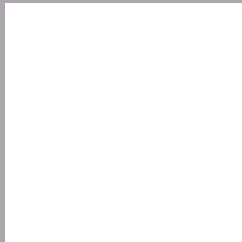
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 38.7588, 0.3121, 0.3220

Background



This preview shows how black text looks on a background with the Yxy color 38.7588, 0.3121, 0.3220.



This preview shows how white text looks on a background with the Yxy color 38.7588, 0.3121, 0.3220.

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

38.7588, 0.3121, 0.3220

Protanopia

38.6477, 0.3112, 0.3220

Deuteranopia

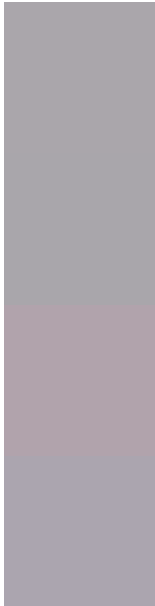
38.6430, 0.3219, 0.3155



Tritanopia

38.7825, 0.3071, 0.3111

Trichromacy



Original Color

38.7588, 0.3121, 0.3220

Protanomaly

38.6477, 0.3112, 0.3220

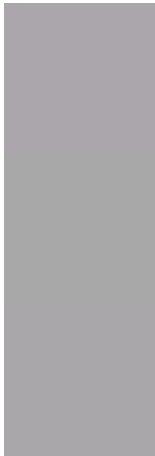
Deuteranomaly

38.5201, 0.3180, 0.3167

Tritanomaly

38.6633, 0.3097, 0.3152

Monochromacy



Original Color

38.7588, 0.3121, 0.3220

Achromatopsia

39.1572, 0.3127, 0.3290

Achromatomaly

38.9370, 0.3128, 0.3262

CSS Examples

Text

The CSS property to change the color of the text to Yxy 38.7588, 0.3121, 0.3220 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, 166, 171)` looks like.

```
.text, #text, p{  
    color:rgb(170, 166, 171)  
}
```

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, 166, 171) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(170, 166, 171) }
```

Border

The CSS property to change the border of an element to Yxy 38.7588, 0.3121, 0.3220 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, 166, 171) }
```

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

```
.border{ border-color:rgb(170, 166, 171) }
```

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

Here you see how a box with a 4 pixel rgb(170, 166, 171) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(170, 166, 171); -webkit-box-  
shadow:4px 4px 4px 4px rgb(170, 166, 171);  
box-shadow:4px 4px 4px 4px rgb(170, 166,  
171) }
```


Background

The CSS property to change the background color of an element to Yxy 38.7588, 0.3121, 0.3220 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(170, 166, 171) }
```

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

```
.background{ background-color: rgb(170,  
166, 171) }
```

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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