

Converting Colors

$Y_{xy}(42.6388, 0.3167, 0.3319)$

Have a look what the booklet for
Yxy(42.6388, 0.3167, 0.3319)
contains.

Yxy(42.5978, 0.3170, 0.3317)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(42.5978, 0.3170, 0.3317)

Conversions

Conversions Part 1

Format	Color
Hex	B1AEAC
RGB	177, 174, 172
RGB Percent	69%, 68%, 67%
CMY	0.3060, 0.3176, 0.3254
CMYK	0.00, 0.02, 0.03, 0.31
HSL	24°, 3%, 68%
HSV	24°, 3%, 69%
XYZ	40.7100, 42.5978, 45.1149
YIQ	174.6690, 2.4300, 0.0140

Conversions

Conversions Part 2

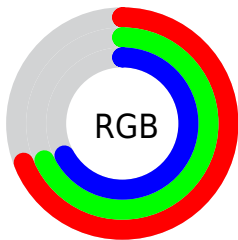
Format	Color
RYB	177, 175, 172
Decimal	11644588
CIELab	71.28, 0.69, 1.38
CIELCh	71, 1.544, 63.597
Yxy	42.5978, 0.3170, 0.3317
Android (android.graphics.Color)	4289834668 (0xFFB1AEAC)
YUV	174.6690, -1.3158, 2.0443
Hunter-Lab	65.2670, -2.8787, 4.7035

Details

The Yxy color **42.5978, 0.3170, 0.3317** is a light color, and the websafe version is hex **999999**. A complement of this color would be **42.5966, 0.3085, 0.3263**, and the grayscale version is **42.6952, 0.3127, 0.3290**.

A 20% lighter version of the original color is **78.9083, 0.3168, 0.3311**, and **19.5602, 0.3175, 0.3328** is the 20% darker color. If you saturate the color by 10%, you get **38.0386, 0.3339, 0.3418**, and if you desaturate by 10%, it is **47.5728, 0.3025, 0.3223**.

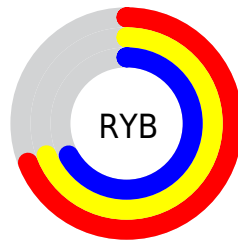
Distribution



Red (69%)

Green (68%)

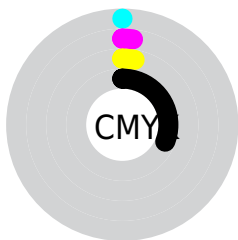
Blue (67%)



Red (69%)

Yellow (69%)

Blue (67%)

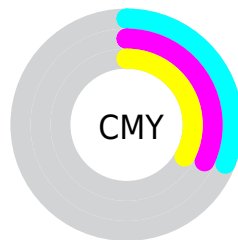


Cyan (0%)

Magenta (2%)

Yellow (3%)

Black (31%)



Cyan (31%)


Magenta (32%)


Yellow (33%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 42.5978, 0.3170, 0.3317 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 42.5978, 0.3170, 0.3317 by changing the saturation by 10% instead.


 42.5978, 0.3170,
0.3317

 42.5978, 0.3170,
0.3317


356.9551, 0.3148,
0.3303

 29.5697, 0.3176,
0.3320


 79.1036, 0.3162,
0.3312

 19.5122, 0.3183,
0.3325


103.3500, 0.3159,
0.3310

 12.0410, 0.3192,
0.3331


132.1047, 0.3157,
0.3309

 6.7716, 0.3206,
0.3339

165.7519, 0.3154,
0.3307

 3.3197, 0.3228,
0.3353

204.6762, 0.3153,
0.3306

 1.3008, 0.3265,
0.3375

249.2619, 0.3151,

 0.1418, 0.4316,

0.3305

0.4039

299.8934, 0.3150,
0.3304

0.0000, 0.0000,
0.0000

42.5978, 0.3170,
0.3317

42.5978, 0.3170,
0.3317

38.0386, 0.3339,
0.3418

47.5728, 0.3025,
0.3223

33.8787, 0.3535,
0.3524

52.9684, 0.2900,
0.3136

30.1085, 0.3761,
0.3633

58.7967, 0.2793,
0.3057

26.7162, 0.4018,
0.3740

65.0674, 0.2701,
0.2984

23.6889, 0.4304,
0.3838

71.4302, 0.2649,
0.2975

■ 21.0133, 0.4613,
0.3918

■ 77.3873, 0.2663,
0.3095

■ 18.6749, 0.4931,
0.3966

■ 83.7057, 0.2677,
0.3213

■ 16.6580, 0.5238,
0.3971

■ 88.0836, 0.2686,
0.3289

■ 14.9452, 0.5510,
0.3925

Harmonies

Analogous

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



42.5978, 0.3168, 0.3300



42.5978, 0.3170, 0.3317



42.5978, 0.3160, 0.3327

Triad

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



42.5978, 0.3170, 0.3317



42.5978, 0.3099, 0.3301



42.5978, 0.3113, 0.3253

Complementary

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



42.5978, 0.3170, 0.3317



42.5966, 0.3085, 0.3263

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.



42.5978, 0.3095, 0.3253



42.5978, 0.3170, 0.3317



42.5978, 0.3086, 0.3281

Square

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



42.5978, 0.3170, 0.3317



42.5978, 0.3119, 0.3318



42.5978, 0.3085, 0.3263



42.5978, 0.3136, 0.3263

Rectangle

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



42.5978, 0.3170, 0.3317



42.5978, 0.3148, 0.3329



42.5978, 0.3085, 0.3263



42.5978, 0.3106, 0.3252

Sweetspot

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



42.5996, 0.3170, 0.3317



77.8556, 0.3143, 0.3300



41.9504, 0.3147, 0.3250



16.8830, 0.3142, 0.3299



89.0005, 0.3127, 0.3290



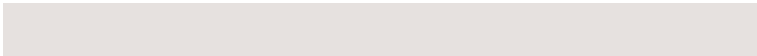
17.0645, 0.3127, 0.3290

Same Dimension

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



42.5996, 0.3170, 0.3317



76.1074, 0.3174, 0.3320



43.5601, 0.3168, 0.3350



9.6384, 0.3185, 0.3326



10.1747, 0.5665, 0.3884



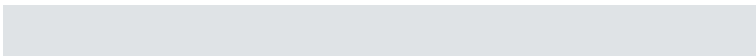
0.4360, 0.5159, 0.4286

Inverse Universe

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



42.5966, 0.3085, 0.3263



76.1014, 0.3081, 0.3260



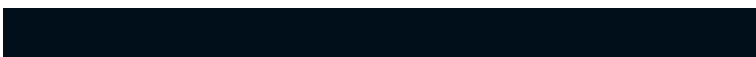
41.6468, 0.3086, 0.3229



9.6375, 0.3071, 0.3254



9.8498, 0.1871, 0.1935



0.4206, 0.1987, 0.2355

Previews

White Background



This preview shows how the Yxy color 42.5978, 0.3170, 0.3317 looks on a white background.

Color Contrast Check

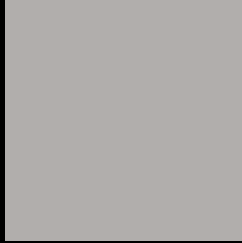
Large Text (above 18pt) WCAG AA × Fail

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 42.5978, 0.3170, 0.3317 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

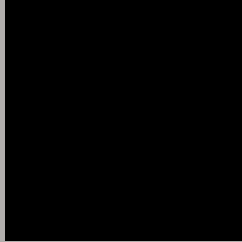
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

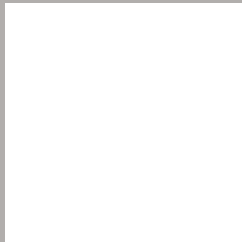
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 42.5978, 0.3170, 0.3317

Background



This preview shows how black text looks on a background with the Yxy color 42.5978, 0.3170, 0.3317.



This preview shows how white text looks on a background with the Yxy color 42.5978, 0.3170, 0.3317.

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

42.5978, 0.3170, 0.3317

Protanopia

42.7156, 0.3179, 0.3317

Deuteranopia

42.5995, 0.3305, 0.3239



Tritanopia

42.5915, 0.3082, 0.3118

Trichromacy



Original Color

42.5978, 0.3170, 0.3317

Protanomaly

42.7156, 0.3179, 0.3317

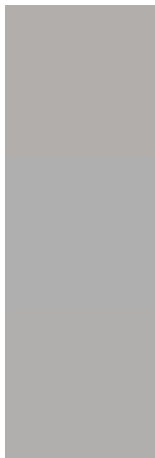
Deuteranomaly

42.7077, 0.3256, 0.3264

Tritanomaly

42.6474, 0.3114, 0.3197

Monochromacy



Original Color

42.5978, 0.3170, 0.3317

Achromatopsia

42.8690, 0.3127, 0.3290

Achromatomaly

42.9460, 0.3144, 0.3304

CSS Examples

Text

The CSS property to change the color of the text to Yxy 42.5978, 0.3170, 0.3317 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(177, 174, 172)` looks like.

```
.text, #text, p{  
    color:rgb(177, 174, 172)  
}
```

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(177, 174, 172) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(177, 174, 172) }
```

Border

The CSS property to change the border of an element to Yxy 42.5978, 0.3170, 0.3317 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(177, 174, 172) }
```

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

```
.border{ border-color:rgb(177, 174, 172) }
```

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

Here you see how a box with a 4 pixel rgb(177, 174, 172) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(177, 174, 172); -webkit-box-  
shadow:4px 4px 4px 4px rgb(177, 174, 172);  
box-shadow:4px 4px 4px 4px rgb(177, 174,  
172) }
```


Background

The CSS property to change the background color of an element to Yxy 42.5978, 0.3170, 0.3317 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(177, 174, 172) }
```

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

```
.background{ background-color: rgb(177,  
174, 172) }
```

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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