

Converting Colors

$Y_{xy}(42.5075, 0.3164, 0.3313)$

Have a look what the booklet for
Yxy(42.5075, 0.3164, 0.3313)
contains.

Yxy(42.4808, 0.3161, 0.3317)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(42.4808, 0.3161, 0.3317)

Conversions

Conversions Part 1

Format	Color
Hex	B0AEAC
RGB	176, 174, 172
RGB Percent	69%, 68%, 67%
CMY	0.3099, 0.3176, 0.3254
CMYK	0.00, 0.01, 0.02, 0.31
HSL	30°, 2%, 68%
HSV	30°, 2%, 69%
XYZ	40.4829, 42.4808, 45.1062
YIQ	174.3700, 1.8340, -0.1980

Conversions

Conversions Part 2

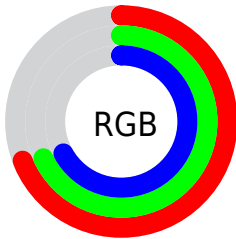
Format	Color
RYB	176, 176, 172
Decimal	11579052
CIELab	71.20, 0.33, 1.25
CIELCh	71, 1.297, 75.295
Yxy	42.4808, 0.3161, 0.3317
Android (android.graphics.Color)	4289769132 (0xFFB0AEAC)
YUV	174.3700, -1.1684, 1.4295
Hunter-Lab	65.1773, -3.1904, 4.5922

Details

The Yxy color **42.4808, 0.3161, 0.3317** is a light color, and the websafe version is hex **999999**. A complement of this color would be **42.1697, 0.3094, 0.3263**, and the grayscale version is **42.5324, 0.3127, 0.3290**.

A 20% lighter version of the original color is **78.7405, 0.3161, 0.3311**, and **19.5602, 0.3175, 0.3328** is the 20% darker color. If you saturate the color by 10%, you get **38.5897, 0.3325, 0.3442**, and if you desaturate by 10%, it is **46.6839, 0.3018, 0.3200**.

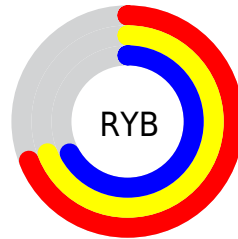
Distribution



Red (69%)

Green (68%)

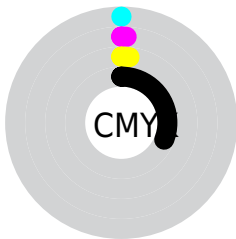
Blue (67%)



Red (69%)

Yellow (69%)

Blue (67%)

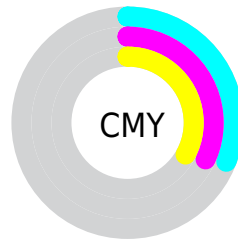


Cyan (0%)

Magenta (1%)

Yellow (2%)

Black (31%)



Cyan (31%)

Magenta (32%)

Yellow (33%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 42.4808, 0.3161, 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 42.4808, 0.3161, 0.3317 by changing the saturation by 10% instead.

■ 42.4808, 0.3161,
0.3317

■ 42.4808, 0.3161,
0.3317

356.4722, 0.3144,
0.3303

■ 29.4780, 0.3165,
0.3320

■ 78.9268, 0.3155,
0.3312

■ 19.4427, 0.3171,
0.3325

103.1387, 0.3152,
0.3310

■ 11.9906, 0.3179,
0.3331

131.8558, 0.3150,
0.3309

■ 6.7373, 0.3190,
0.3340

165.4624, 0.3149,
0.3307

■ 3.2983, 0.3206,
0.3353

204.3429, 0.3147,
0.3306

■ 1.2894, 0.3236,
0.3376

248.8818, 0.3146,

■ 0.1330, 0.4143,

0.3305

0.4098

299.4634, 0.3145,
0.3304

0.0000, 0.0000,
0.0000

42.4808, 0.3161,
0.3317

42.4808, 0.3161,
0.3317

38.5897, 0.3325,
0.3442

46.6839, 0.3018,
0.3200

34.9974, 0.3511,
0.3574

51.2007, 0.2893,
0.3091

31.6978, 0.3721,
0.3708

56.0402, 0.2784,
0.2991

28.6825, 0.3955,
0.3841

61.2090, 0.2689,
0.2899

25.9428, 0.4209,
0.3965

66.3872, 0.2631,
0.2868

■ 23.4692, 0.4476,
0.4069

■ 71.0185, 0.2643,
0.2969

■ 21.2516, 0.4746,
0.4142

■ 75.8912, 0.2655,
0.3068

■ 19.2788, 0.5003,
0.4171

■ 81.0087, 0.2666,
0.3166

■ 17.5385, 0.5231,
0.4149

■ 86.3743, 0.2678,
0.3262

Harmonies

Analogous

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



42.4808, 0.3164, 0.3304



42.4808, 0.3161, 0.3317



42.4808, 0.3149, 0.3323

Triad

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



42.4808, 0.3161, 0.3317



42.4808, 0.3098, 0.3292



42.4808, 0.3123, 0.3261

Complementary

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



42.4808, 0.3161, 0.3317



42.1697, 0.3094, 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.



42.4808, 0.3105, 0.3258



42.4808, 0.3161, 0.3317



42.4808, 0.3091, 0.3276

Square

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



42.4808, 0.3161, 0.3317



42.4808, 0.3113, 0.3308



42.4808, 0.3094, 0.3263



42.4808, 0.3141, 0.3272

Rectangle

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



42.4808, 0.3161, 0.3317



42.4808, 0.3138, 0.3321



42.4808, 0.3094, 0.3263



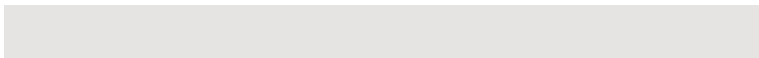
42.4808, 0.3116, 0.3259

Sweetspot

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



42.4826, 0.3161, 0.3317



77.9844, 0.3142, 0.3302



41.7956, 0.3146, 0.3263



16.9094, 0.3142, 0.3302



89.0005, 0.3127, 0.3290



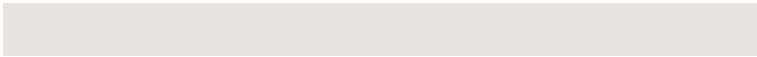
17.0645, 0.3127, 0.3290

Same Dimension

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



42.4826, 0.3161, 0.3317



76.4881, 0.3173, 0.3327



43.2436, 0.3159, 0.3343



9.6975, 0.3184, 0.3335



12.1060, 0.5373, 0.4116



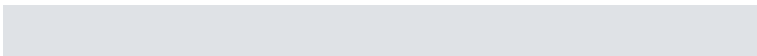
0.4975, 0.4961, 0.4443

Inverse Universe

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



42.1697, 0.3094, 0.3263



75.7192, 0.3081, 0.3253



41.4200, 0.3095, 0.3236



9.5781, 0.3071, 0.3244



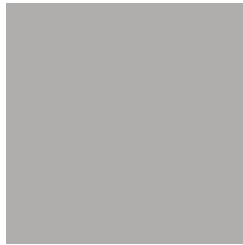
7.4433, 0.1774, 0.1587



0.3510, 0.1917, 0.2101

Previews

White Background



This preview shows how the Yxy color 42.4808, 0.3161, 0.3317 looks on a white background.

Color Contrast Check

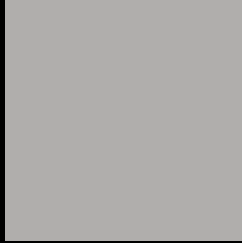
Large Text (above 18pt) WCAG AA × Fail

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 42.4808, 0.3161, 0.3317 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

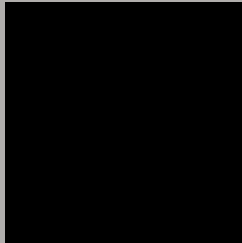
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

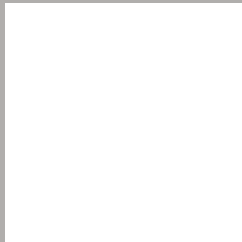
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 42.4808, 0.3161, 0.3317

Background



This preview shows how black text looks on a background with the Yxy color 42.4808, 0.3161, 0.3317.



This preview shows how white text looks on a background with the Yxy color 42.4808, 0.3161, 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

42.4808, 0.3161, 0.3317

Protanopia

42.3307, 0.3180, 0.3304

Deuteranopia

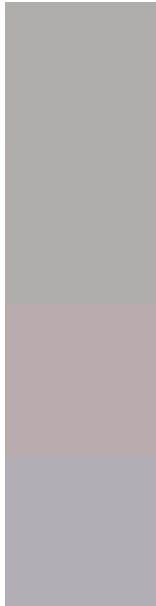
42.4694, 0.3295, 0.3238



Tritanopia

42.5152, 0.3065, 0.3105

Trichromacy



Original Color

42.4808, 0.3161, 0.3317

Protanomaly

42.2128, 0.3171, 0.3304

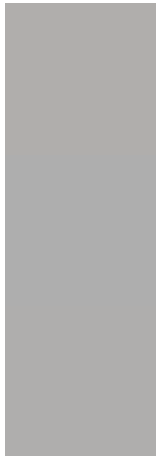
Deuteranomaly

42.5821, 0.3247, 0.3264

Tritanomaly

42.5704, 0.3097, 0.3183

Monochromacy



Original Color

42.4808, 0.3161, 0.3317

Achromatopsia

42.3268, 0.3127, 0.3290

Achromatomaly

42.4032, 0.3144, 0.3304

CSS Examples

Text

The CSS property to change the color of the text to Yxy 42.4808, 0.3161, 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(176, 174, 172)` looks like.

```
.text, #text, p{  
    color:rgb(176, 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(176, 174, 172) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(176, 174, 172) }
```

Border

The CSS property to change the border of an element to Yxy 42.4808, 0.3161, 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(176, 174, 172) }
```

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

```
.border{ border-color:rgb(176, 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(176, 174, 172) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(176, 174, 172); -webkit-box-  
shadow:4px 4px 4px 4px rgb(176, 174, 172);  
box-shadow:4px 4px 4px 4px rgb(176, 174,  
172) }
```


Background

The CSS property to change the background color of an element to Yxy 42.4808, 0.3161, 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(176, 174, 172) }
```

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

```
.background{ background-color: rgb(176,  
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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor