

Converting Colors

$Y_{xy}(40.2399, 0.3221, 0.3504)$

Have a look what the booklet for
Yxy(40.2399, 0.3221, 0.3504)
contains.

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Color

Yxy(40.2642, 0.3217, 0.3502)

Conversions

Conversions Part 1

Format	Color
Hex	A8AC9D
RGB	168, 172, 157
RGB Percent	66%, 67%, 62%
CMY	0.3412, 0.3255, 0.3843
CMYK	0.02, 0.00, 0.09, 0.33
HSL	76°, 8%, 65%
HSV	76°, 9%, 67%
XYZ	36.9874, 40.2642, 37.7233
YIQ	169.0940, 2.4310, -5.5130

Conversions

Conversions Part 2

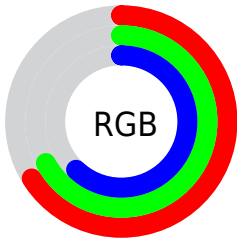
Format	Color
RYB	157, 172, 161
Decimal	11054237
CIELab	69.66, -4.17, 7.22
CIELCh	70, 8.335, 120.030
Yxy	40.2642, 0.3217, 0.3502
Android (android.graphics.Color)	4289244317 (0xFFA8AC9D)
YUV	169.0940, -5.9623, -0.9594
Hunter-Lab	63.4541, -6.9969, 9.1701

Details

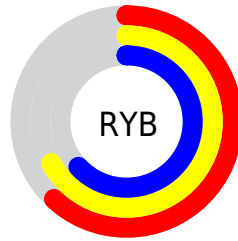
The Yxy color $40.2642, 0.3217, 0.3502$ is a light color, and the websafe version is hex 999999 . A complement of this color would be $34.6730, 0.3032, 0.3074$, and the grayscale version is $39.7554, 0.3127, 0.3290$.

A 20% lighter version of the original color is $75.3796, 0.3196, 0.3453$, and $18.1866, 0.3240, 0.3567$ is the 20% darker color. If you saturate the color by 10%, you get $39.2243, 0.3321, 0.3758$, and if you desaturate by 10%, it is $41.4081, 0.3114, 0.3260$.

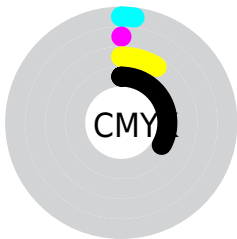
Distribution



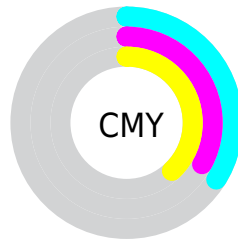
- Red (66%)
- Green (67%)
- Blue (62%)



- Red (62%)
- Yellow (67%)
- Blue (63%)



- Cyan (2%)
- Magenta (0%)
- Yellow (9%)
- Black (33%)





- Cyan (34%)
- Magenta (33%)
- Yellow (38%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 40.2642, 0.3217, 0.3502 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 40.2642, 0.3217, 0.3502 by changing the saturation by 10% instead.


 40.2642, 0.3217,
0.3502


 40.2642, 0.3217,
0.3502


347.2359, 0.3171,
0.3392

 27.7446, 0.3229,
0.3531


 75.5657, 0.3200,
0.3461

 18.1332, 0.3244,
0.3568


 99.1163, 0.3194,
0.3446

 11.0457, 0.3264,
0.3619


127.1128, 0.3189,
0.3434

 6.0976, 0.3292,
0.3694

159.9394, 0.3184,
0.3423

 2.9045, 0.3335,
0.3811

197.9806, 0.3180,
0.3414

 1.0821, 0.3448,
0.4071

241.6209, 0.3177,

 0.0000, 0.0000,

0.3406

0.0000

291.2445, 0.3174,
0.3399

■ 40.2642, 0.3217,
0.3502

■ 40.2642, 0.3217,
0.3502

■ 39.2243, 0.3321,
0.3758

■ 41.4081, 0.3114,
0.3260

■ 38.2795, 0.3423,
0.4024

■ 42.6542, 0.3015,
0.3035

■ 37.4277, 0.3520,
0.4292

■ 44.0074, 0.2921,
0.2828

■ 36.6648, 0.3606,
0.4553

■ 45.4708, 0.2832,
0.2639

■ 35.9863, 0.3676,
0.4797

■ 47.0474, 0.2750,
0.2469

■ 35.3870, 0.3726,
0.5012

■ 48.3999, 0.2706,
0.2362

■ 34.8616, 0.3753,
0.5188

■ 49.0229, 0.2740,
0.2371

■ 34.4032, 0.3754,
0.5319

■ 49.6648, 0.2774,
0.2380

■ 34.0003, 0.3734,
0.5409

■ 50.3259, 0.2809,
0.2388

Harmonies

Analogous

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



40.2642, 0.3317, 0.3490



40.2642, 0.3217, 0.3502



40.2642, 0.3094, 0.3454

Triad

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



40.2642, 0.3217, 0.3502



40.2642, 0.2893, 0.3149



40.2642, 0.3273, 0.3221

Complementary

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



40.2642, 0.3217, 0.3502



34.6730, 0.3032, 0.3074

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.



40.2642, 0.3157, 0.3134



40.2642, 0.3217, 0.3502



40.2642, 0.2939, 0.3092

Square

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



40.2642, 0.3217, 0.3502



40.2642, 0.2909, 0.3247



40.2642, 0.3035, 0.3087



40.2642, 0.3350, 0.3326

Rectangle

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



40.2642, 0.3217, 0.3502



40.2642, 0.3016, 0.3395



40.2642, 0.3035, 0.3087



40.2642, 0.3237, 0.3188

Sweetspot

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



40.2659, 0.3217, 0.3502



74.1963, 0.3158, 0.3363



36.6975, 0.3269, 0.3347



16.0888, 0.3167, 0.3382



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.



40.2659, 0.3217, 0.3502



72.7581, 0.3232, 0.3539



39.4667, 0.3148, 0.3506



9.2211, 0.3223, 0.3517



25.2915, 0.3736, 0.5416



0.7284, 0.3882, 0.5300

Inverse Universe

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



34.6730, 0.3032, 0.3074



61.0280, 0.3015, 0.3036



35.4754, 0.3103, 0.3079



7.8567, 0.3025, 0.3058



2.6704, 0.1676, 0.0697



0.1012, 0.2012, 0.0882

Previews

White Background



This preview shows how the Yxy color 40.2642, 0.3217, 0.3502 looks on a white background.

Color Contrast Check

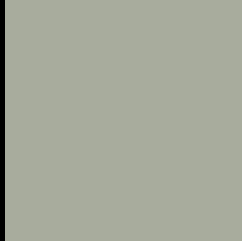
Large Text (above 18pt) WCAG AA × Fail

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 40.2642, 0.3217, 0.3502 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

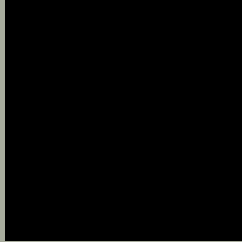
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

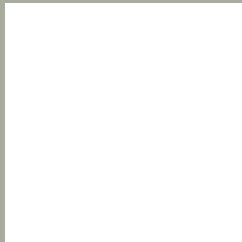
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 40.2642, 0.3217, 0.3502

Background



This preview shows how black text looks on a background with the Yxy color 40.2642, 0.3217, 0.3502.



This preview shows how white text looks on a background with the Yxy color 40.2642, 0.3217, 0.3502.

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

40.2642, 0.3217, 0.3502

Protanopia

40.0063, 0.3305, 0.3471

Deuteranopia

40.1305, 0.3432, 0.3357



Tritanopia

40.1533, 0.3046, 0.3100

Trichromacy



Original Color

40.2642, 0.3217, 0.3502

Protanomaly

40.0340, 0.3275, 0.3486

Deuteranomaly

40.1733, 0.3357, 0.3413

Tritanomaly

40.0510, 0.3112, 0.3235

Monochromacy



Original Color

40.2642, 0.3217, 0.3502

Achromatopsia

39.6755, 0.3127, 0.3290

Achromatomaly

39.9011, 0.3160, 0.3360

CSS Examples

Text

The CSS property to change the color of the text to Yxy 40.2642, 0.3217, 0.3502 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(168, 172, 157)` looks like.

```
.text, #text, p{  
    color:rgb(168, 172, 157)  
}
```

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(168, 172, 157) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(168, 172, 157) }
```

Border

The CSS property to change the border of an element to Yxy 40.2642, 0.3217, 0.3502 is called "border". The border property can be set on classes, ids or directly on the HTML element.

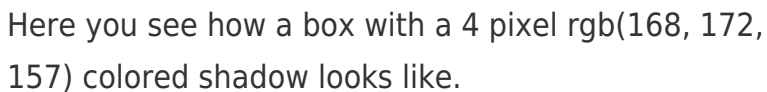
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(168, 172, 157) }
```

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

```
.border{ border-color:rgb(168, 172, 157) }
```

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



Here you see how a box with a 4 pixel `rgb(168, 172, 157)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(168, 172, 157); -webkit-box-shadow:4px 4px 4px 4px rgb(168, 172, 157); box-shadow:4px 4px 4px 4px rgb(168, 172, 157) }
```


Background

The CSS property to change the background color of an element to Yxy 40.2642, 0.3217, 0.3502 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(168, 172, 157) }
```

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

```
.background{ background-color: rgb(168,  
172, 157) }
```

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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