

Converting Colors

$Y_{xy}(40.7497, 0.3235, 0.3630)$

Have a look what the booklet for
Yxy(40.7497, 0.3235, 0.3630)
contains.

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Color

Yxy(40.8936, 0.3236, 0.3632)

Conversions

Conversions Part 1

Format	Color
Hex	A5AF97
RGB	165, 175, 151
RGB Percent	65%, 69%, 59%
CMY	0.3529, 0.3137, 0.4077
CMYK	0.06, 0.00, 0.14, 0.31
HSL	85°, 13%, 64%
HSV	85°, 14%, 69%
XYZ	36.4349, 40.8936, 35.2640
YIQ	169.2740, 1.7440, -9.5840

Conversions

Conversions Part 2

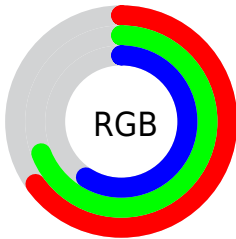
Format	Color
RYB	151, 175, 161
Decimal	10858391
CIELab	70.10, -7.91, 11.10
CIElCh	70, 13.634, 125.473
Yxy	40.8936, 0.3236, 0.3632
Android (android.graphics.Color)	4289048471 (0xFFA5AF97)
YUV	169.2740, -9.0091, -3.7483
Hunter-Lab	63.9481, -10.2074, 12.0684

Details

The Yxy color **40.8936, 0.3236, 0.3632** is a light color, and the websafe version is hex **999999**. A complement of this color would be **32.8190, 0.3007, 0.2944**, and the grayscale version is **39.8655, 0.3127, 0.3290**.

A 20% lighter version of the original color is **76.7752, 0.3217, 0.3574**, and **18.5967, 0.3266, 0.3751** is the 20% darker color. If you saturate the color by 10%, you get **39.6074, 0.3314, 0.3902**, and if you desaturate by 10%, it is **42.3124, 0.3156, 0.3379**.

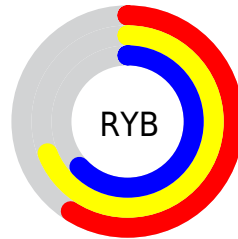
Distribution



Red (65%)

Green (69%)

Blue (59%)



Red (59%)

Yellow (69%)

Blue (63%)

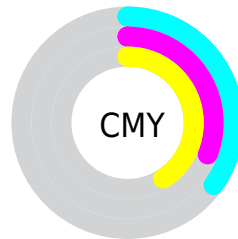


Cyan (6%)

Magenta (0%)

Yellow (14%)

Black (31%)



Cyan (35%)


Magenta (31%)


Yellow (41%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 40.8936, 0.3236, 0.3632 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 40.8936, 0.3236, 0.3632 by changing the saturation by 10% instead.


 40.8936, 0.3236,
0.3632


 40.8936, 0.3236,
0.3632


349.8757, 0.3182,
0.3455

 28.2360, 0.3249,
0.3679

 76.5224, 0.3216,
0.3566

 18.5036, 0.3266,
0.3740


 100.2622, 0.3209,
0.3542

 11.3121, 0.3289,
0.3823


128.4650, 0.3203,
0.3521

 6.2772, 0.3320,
0.3945

161.5150, 0.3197,
0.3504

 3.0144, 0.3363,
0.4138

199.7967, 0.3193,
0.3489

 1.1392, 0.3550,
0.4649

243.6945, 0.3189,

 0.0112, 0.0000,

0.3476

1.0000

293.5927, 0.3185,
0.3465

0.0000, 0.0000,
0.0000

40.8936, 0.3236,
0.3632

40.8936, 0.3236,
0.3632

39.6074, 0.3314,
0.3902

42.3124, 0.3156,
0.3379

38.4441, 0.3388,
0.4184

43.8628, 0.3078,
0.3145

37.4008, 0.3454,
0.4469

45.5505, 0.3002,
0.2932

36.4723, 0.3506,
0.4748

47.3793, 0.2930,
0.2739

35.6531, 0.3542,
0.5007

49.3528, 0.2863,
0.2566

■ 34.9370, 0.3556,
0.5234

■ 51.4079, 0.2807,
0.2420

■ 34.3172, 0.3547,
0.5416

■ 52.4961, 0.2862,
0.2434

■ 33.7853, 0.3515,
0.5548

■ 53.6338, 0.2917,
0.2447

■ 33.4847, 0.3488,
0.5613

■ 54.8215, 0.2974,
0.2461

Harmonies

Analogous

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



40.8936, 0.3411, 0.3627



40.8936, 0.3236, 0.3632



40.8936, 0.3036, 0.3537

Triad

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



40.8936, 0.3236, 0.3632



40.8936, 0.2756, 0.3037



40.8936, 0.3394, 0.3206

Complementary

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



40.8936, 0.3236, 0.3632



32.8190, 0.3007, 0.2944

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.



40.8936, 0.3211, 0.3061



40.8936, 0.3236, 0.3632



40.8936, 0.2845, 0.2962

Square

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



40.8936, 0.3236, 0.3632



40.8936, 0.2763, 0.3185



40.8936, 0.3010, 0.2972



40.8936, 0.3505, 0.3376

Rectangle

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



40.8936, 0.3236, 0.3632



40.8936, 0.2915, 0.3430



40.8936, 0.3010, 0.2972



40.8936, 0.3338, 0.3153

Sweetspot

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



40.8954, 0.3236, 0.3632



75.6799, 0.3159, 0.3388



36.8459, 0.3354, 0.3432



16.7771, 0.3165, 0.3406



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.



40.8954, 0.3236, 0.3632



72.6239, 0.3256, 0.3700



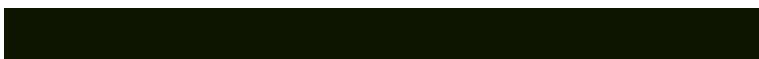
39.6711, 0.3128, 0.3643



9.1612, 0.3201, 0.3518



24.0158, 0.3495, 0.5607



0.6993, 0.3709, 0.5437

Inverse Universe

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



32.8190, 0.3007, 0.2944



55.7386, 0.2981, 0.2875



34.1233, 0.3123, 0.2957



7.9143, 0.3048, 0.3060



3.2657, 0.1889, 0.0814



0.1234, 0.2256, 0.1016

Previews

White Background



This preview shows how the Yxy color 40.8936, 0.3236, 0.3632 looks on a white background.

Color Contrast Check

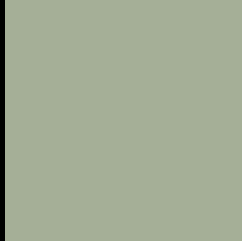
Large Text (above 18pt) WCAG AA × Fail

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 40.8936, 0.3236, 0.3632 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

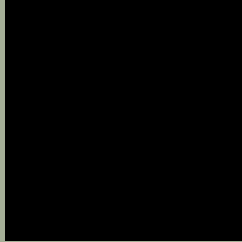
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

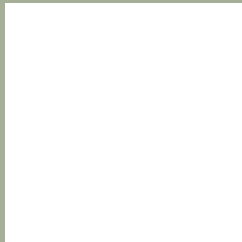
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 40.8936, 0.3236, 0.3632

Background



This preview shows how black text looks on a background with the Yxy color 40.8936, 0.3236, 0.3632.



This preview shows how white text looks on a background with the Yxy color 40.8936, 0.3236, 0.3632.

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

40.8936, 0.3236, 0.3632

Protanopia

40.8795, 0.3392, 0.3594

Deuteranopia

40.6795, 0.3515, 0.3449



Tritanopia

40.7562, 0.3012, 0.3100

Trichromacy



Original Color

40.8936, 0.3236, 0.3632

Protanomaly

40.7057, 0.3333, 0.3598

Deuteranomaly

40.7102, 0.3407, 0.3522

Tritanomaly

40.8084, 0.3092, 0.3290

Monochromacy



Original Color

40.8936, 0.3236, 0.3632

Achromatopsia

39.6755, 0.3127, 0.3290

Achromatomaly

40.0593, 0.3176, 0.3417

CSS Examples

Text

The CSS property to change the color of the text to Yxy 40.8936, 0.3236, 0.3632 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(165, 175, 151)` looks like.

```
.text, #text, p{  
    color:rgb(165, 175, 151)  
}
```

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(165, 175, 151) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(165, 175, 151) }
```

Border

The CSS property to change the border of an element to Yxy 40.8936, 0.3236, 0.3632 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(165, 175, 151) }
```

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

```
.border{ border-color:rgb(165, 175, 151) }
```

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

Here you see how a box with a 4 pixel `rgb(165, 175, 151)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(165, 175, 151); -webkit-box-  
shadow:4px 4px 4px 4px rgb(165, 175, 151);  
box-shadow:4px 4px 4px 4px rgb(165, 175,  
151) }
```


Background

The CSS property to change the background color of an element to Yxy 40.8936, 0.3236, 0.3632 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(165, 175, 151) }
```

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

```
.background{ background-color: rgb(165,  
175, 151) }
```

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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