

Converting Colors

$Yxy(37.4036, 0.2995, 0.3618)$

Have a look what the booklet for
Yxy(37.4036, 0.2995, 0.3618)
contains.

Yxy(37.5248, 0.2998, 0.3628)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(37.5248, 0.2998, 0.3628)

Conversions

Conversions Part 1

Format	Color
Hex	8AAD97
RGB	138, 173, 151
RGB Percent	54%, 68%, 59%
CMY	0.4589, 0.3215, 0.4077
CMYK	0.20, 0.00, 0.13, 0.32
HSL	142°, 18%, 61%
HSV	142°, 20%, 68%
XYZ	31.0086, 37.5248, 34.8977
YIQ	160.0270, -13.7980, -14.2620

Conversions

Conversions Part 2

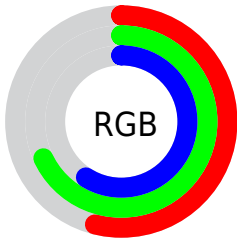
Format	Color
RYB	138, 164, 173
Decimal	9088407
CIELab	67.67, -16.44, 7.39
CIELCh	68, 18.020, 155.800
Yxy	37.5248, 0.2998, 0.3628
Android (android.graphics.Color)	4287278487 (0xFF8AAD97)
YUV	160.0270, -4.4503, -19.3177
Hunter-Lab	61.2575, -16.8436, 9.1034

Details

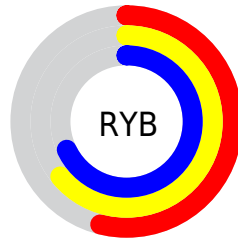
The Yxy color **37.5248, 0.2998, 0.3628** is a light color, and the websafe version is hex **669999**. A complement of this color would be **29.5902, 0.3283, 0.2975**, and the grayscale version is **35.1916, 0.3127, 0.3290**.

A 20% lighter version of the original color is **71.6529, 0.3027, 0.3568**, and **16.6211, 0.2952, 0.3755** is the 20% darker color. If you saturate the color by 10%, you get **35.8300, 0.2938, 0.3824**, and if you desaturate by 10%, it is **39.4902, 0.3061, 0.3451**.

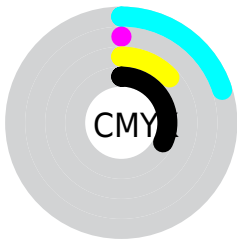
Distribution



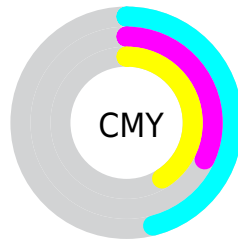
- Red (54%)
- Green (68%)
- Blue (59%)



- Red (54%)
- Yellow (64%)
- Blue (68%)



- Cyan (20%)
- Magenta (0%)
- Yellow (13%)
- Black (32%)




- Cyan (46%)
- Magenta (32%)
- Yellow (41%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 37.5248, 0.2998, 0.3628 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 37.5248, 0.2998, 0.3628 by changing the saturation by 10% instead.


 37.5248, 0.2998,
0.3628


 37.5248, 0.2998,
0.3628


335.5771, 0.3067,
0.3449


 25.6141, 0.2979,
0.3676


 71.3792, 0.3024,
0.3560

 16.5352, 0.2954,
0.3741


 94.0917, 0.3034,
0.3536

 9.9036, 0.2919,
0.3831


 121.1735, 0.3041,
0.3515

 5.3351, 0.2866,
0.3966

153.0091, 0.3048,
0.3498

 2.4452, 0.2777,
0.4190

189.9829, 0.3054,
0.3483

 0.8490, 0.2440,
0.5106

232.4792, 0.3059,

 0.0000, 0.0000,

0.3470

0.0000

280.8825, 0.3063,
0.3459

■ 37.5248, 0.2998,
0.3628

■ 37.5248, 0.2998,
0.3628

■ 35.8300, 0.2938,
0.3824

■ 39.4902, 0.3061,
0.3451

■ 34.3893, 0.2884,
0.4037

■ 41.7328, 0.3126,
0.3294

■ 33.1911, 0.2839,
0.4266

■ 44.2647, 0.3189,
0.3154

■ 32.2215, 0.2806,
0.4505

■ 47.0958, 0.3252,
0.3032

■ 31.4649, 0.2788,
0.4746

■ 50.2358, 0.3312,
0.2925

■ 30.9036, 0.2787,
0.4982

■ 53.6937, 0.3369,
0.2831

■ 30.5169, 0.2804,
0.5203

■ 56.6967, 0.3389,
0.2743

■ 30.2659, 0.2833,
0.5397

■ 57.3151, 0.3300,
0.2641

■ 57.9720, 0.3213,
0.2543

Harmonies

Analogous

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



37.5248, 0.3269, 0.3760



37.5248, 0.2998, 0.3628



37.5248, 0.2768, 0.3394

Triad

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



37.5248, 0.2998, 0.3628



37.5248, 0.2747, 0.2847



37.5248, 0.3645, 0.3404

Complementary

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



37.5248, 0.2998, 0.3628



29.5902, 0.3283, 0.2975

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.



37.5248, 0.3493, 0.3177



37.5248, 0.2998, 0.3628



37.5248, 0.2969, 0.2865

Square

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



37.5248, 0.2998, 0.3628



37.5248, 0.2629, 0.2943



37.5248, 0.3242, 0.2984



37.5248, 0.3650, 0.3613

Rectangle

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



37.5248, 0.2998, 0.3628



37.5248, 0.2667, 0.3222



37.5248, 0.3242, 0.2984



37.5248, 0.3609, 0.3327

Sweetspot

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



37.5264, 0.2998, 0.3628



72.3214, 0.3088, 0.3384



39.2147, 0.3304, 0.3804



15.6636, 0.3084, 0.3394



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.



37.5264, 0.2998, 0.3628



65.8779, 0.2972, 0.3707



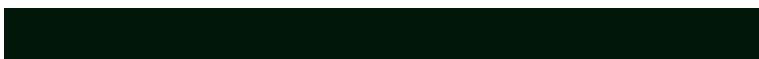
38.1309, 0.2865, 0.3359



8.9869, 0.3067, 0.3436



22.2427, 0.2827, 0.5377



0.6295, 0.2648, 0.4732

Inverse Universe

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



29.5902, 0.3283, 0.2975



49.2407, 0.3322, 0.2907



29.0261, 0.3469, 0.3222



8.0967, 0.3192, 0.3149



7.3419, 0.4405, 0.2201



0.2144, 0.3959, 0.1954

Previews

White Background



This preview shows how the Yxy color 37.5248, 0.2998, 0.3628 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 37.5248, 0.2998, 0.3628 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 37.5248, 0.2998, 0.3628

Background



This preview shows how black text looks on a background with the Yxy color 37.5248, 0.2998, 0.3628.



This preview shows how white text looks on a background with the Yxy color 37.5248, 0.2998, 0.3628.

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

37.5248, 0.2998, 0.3628

Protanopia

37.3969, 0.3365, 0.3548

Deuteranopia

37.3197, 0.3420, 0.3359



Tritanopia

37.6826, 0.2808, 0.3100

Trichromacy



Original Color

37.5248, 0.2998, 0.3628

Protanomaly

37.2491, 0.3226, 0.3570

Deuteranomaly

37.0663, 0.3253, 0.3449

Tritanomaly

37.4405, 0.2876, 0.3274

Monochromacy



Original Color

37.5248, 0.2998, 0.3628

Achromatopsia

35.1533, 0.3127, 0.3290

Achromatomaly

36.0200, 0.3075, 0.3409

CSS Examples

Text

The CSS property to change the color of the text to Yxy 37.5248, 0.2998, 0.3628 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(138, 173, 151)` looks like.

```
.text, #text, p{  
    color:rgb(138, 173, 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(138, 173, 151) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(138, 173, 151) }
```

Border

The CSS property to change the border of an element to Yxy 37.5248, 0.2998, 0.3628 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(138, 173, 151) }
```

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

```
.border{ border-color:rgb(138, 173, 151) }
```

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

Here you see how a box with a 4 pixel `rgb(138, 173, 151)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(138, 173, 151); -webkit-box-  
shadow:4px 4px 4px 4px rgb(138, 173, 151);  
box-shadow:4px 4px 4px 4px rgb(138, 173,  
151) }
```


Background

The CSS property to change the background color of an element to Yxy 37.5248, 0.2998, 0.3628 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(138, 173, 151) }
```

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

```
.background{ background-color: rgb(138,  
173, 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](#).

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