

Converting Colors

$Y_{xy}(37.0898, 0.3110, 0.3894)$

Have a look what the booklet for
Yxy(37.0898, 0.3110, 0.3894)
contains.

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Color

Yxy(36.8707, 0.3108, 0.3888)

Conversions

Conversions Part 1

Format	Color
Hex	88AD87
RGB	136, 173, 135
RGB Percent	53%, 68%, 53%
CMY	0.4666, 0.3216, 0.4706
CMYK	0.21, 0.00, 0.22, 0.32
HSL	118°, 19%, 60%
HSV	118°, 22%, 68%
XYZ	29.4738, 36.8707, 28.4875
YIQ	157.6050, -9.8540, -19.6620

Conversions

Conversions Part 2

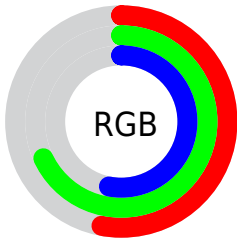
Format	Color
RYB	135, 173, 172
Decimal	8957319
CIELab	67.18, -20.10, 15.50
CIElCh	67, 25.383, 142.374
Yxy	36.8707, 0.3108, 0.3888
Android (android.graphics.Color)	4287147399 (0xFF88AD87)
YUV	157.6050, -11.1443, -18.9476
Hunter-Lab	60.7212, -19.6191, 14.6888

Details

The Yxy color **36.8707, 0.3108, 0.3888** is a dark color, and the websafe version is hex **669966**. A complement of this color would be **29.1155, 0.3141, 0.2754**, and the grayscale version is **34.0618, 0.3127, 0.3290**.

A 20% lighter version of the original color is **70.6166, 0.3118, 0.3775**, and **16.0201, 0.3090, 0.4090** is the 20% darker color. If you saturate the color by 10%, you get **35.1228, 0.3096, 0.4210**, and if you desaturate by 10%, it is **38.9223, 0.3118, 0.3596**.

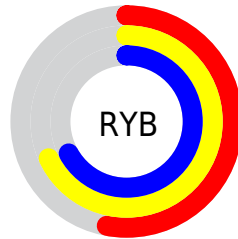
Distribution



Red (53%)

Green (68%)

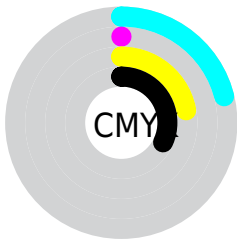
Blue (53%)



Red (53%)

Yellow (68%)

Blue (67%)

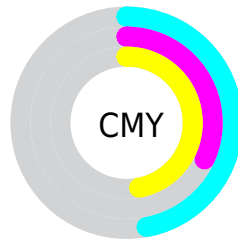


Cyan (21%)

Magenta (0%)

Yellow (22%)

Black (32%)



Cyan (47%)


Magenta (32%)

Yellow (47%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 36.8707, 0.3108, 0.3888 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 36.8707, 0.3108, 0.3888 by changing the saturation by 10% instead.


 36.8707, 0.3108,
0.3888


 36.8707, 0.3108,
0.3888


332.7504, 0.3123,
0.3567


 25.1074, 0.3102,
0.3976


 70.3739, 0.3115,
0.3766

 16.1571, 0.3092,
0.4095


 92.8825, 0.3117,
0.3721

 9.6354, 0.3076,
0.4262


 119.7418, 0.3119,
0.3685

 5.1579, 0.3045,
0.4514

151.3360, 0.3120,
0.3654

 2.3402, 0.2979,
0.4937

188.0495, 0.3121,
0.3627

 0.7949, 0.2498,
0.7502

230.2669, 0.3122,

 0.0000, 0.0000,

0.3604

0.0000

278.3724, 0.3123,
0.3584

■ 36.8707, 0.3108,
0.3888

■ 36.8707, 0.3108,
0.3888

■ 35.1228, 0.3096,
0.4210

■ 38.9223, 0.3118,
0.3596

■ 33.6599, 0.3083,
0.4555

■ 41.2861, 0.3126,
0.3337

■ 32.4682, 0.3068,
0.4907


■ 43.9762, 0.3132,
0.3111


■ 31.5310, 0.3052,
0.5244


■ 47.0042, 0.3137,
0.2915


■ 30.8299, 0.3037,
0.5541


■ 50.3813, 0.3142,
0.2746

 30.3438, 0.3023,
0.5773

 54.1182, 0.3145,
0.2601

 30.0480, 0.3011,
0.5923

 58.1535, 0.3156,
0.2486

 29.9161, 0.3006,
0.5995

 58.3662, 0.3165,
0.2488

Harmonies

Analogous

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



36.8707, 0.3485, 0.3980



36.8707, 0.3108, 0.3888



36.8707, 0.2751, 0.3600

Triad

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



36.8707, 0.3108, 0.3888



36.8707, 0.2502, 0.2708



36.8707, 0.3791, 0.3297

Complementary

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



36.8707, 0.3108, 0.3888



29.1155, 0.3141, 0.2754

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.



36.8707, 0.3496, 0.3001



36.8707, 0.3108, 0.3888



36.8707, 0.2749, 0.2670

Square

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



36.8707, 0.3108, 0.3888



36.8707, 0.2416, 0.2902



36.8707, 0.3109, 0.2777



36.8707, 0.3894, 0.3608

Rectangle

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



36.8707, 0.3108, 0.3888



36.8707, 0.2569, 0.3351



36.8707, 0.3109, 0.2777



36.8707, 0.3710, 0.3194

Sweetspot

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



36.8723, 0.3108, 0.3888



71.6867, 0.3122, 0.3466



40.0363, 0.3455, 0.3810



15.5274, 0.3121, 0.3481



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.



36.8723, 0.3108, 0.3888



64.5652, 0.3103, 0.4030



37.3290, 0.2960, 0.3603



8.9492, 0.3120, 0.3524



21.9827, 0.3007, 0.5994



0.6148, 0.3040, 0.5968

Inverse Universe

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



29.1155, 0.3141, 0.2754



48.3579, 0.3144, 0.2642



28.5899, 0.3337, 0.2997



8.1370, 0.3133, 0.3066



8.3653, 0.3143, 0.1505



0.2361, 0.3165, 0.1517

Previews

White Background



This preview shows how the Yxy color 36.8707, 0.3108, 0.3888 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 36.8707, 0.3108, 0.3888 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

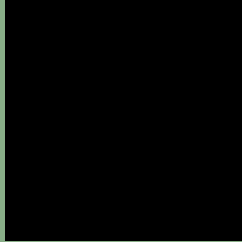
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 36.8707, 0.3108, 0.3888

Background



This preview shows how black text looks on a background with the Yxy color 36.8707, 0.3108, 0.3888.



This preview shows how white text looks on a background with the Yxy color 36.8707, 0.3108, 0.3888.

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

36.8707, 0.3108, 0.3888

Protanopia

36.6903, 0.3526, 0.3765

Deuteranopia

36.6403, 0.3623, 0.3551



Tritanopia

36.8620, 0.2821, 0.3099

Trichromacy



Original Color

36.8707, 0.3108, 0.3888

Protanomaly

36.7770, 0.3367, 0.3812

Deuteranomaly

36.4355, 0.3421, 0.3669

Tritanomaly

36.7190, 0.2921, 0.3365

Monochromacy



Original Color

36.8707, 0.3108, 0.3888

Achromatopsia

34.1914, 0.3127, 0.3290

Achromatomaly

34.8804, 0.3118, 0.3488

CSS Examples

Text

The CSS property to change the color of the text to Yxy 36.8707, 0.3108, 0.3888 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(136, 173, 135)` looks like.

```
.text, #text, p{  
    color:rgb(136, 173, 135)  
}
```

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(136, 173, 135) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(136, 173, 135) }
```

Border

The CSS property to change the border of an element to Yxy 36.8707, 0.3108, 0.3888 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(136, 173, 135) }
```

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

```
.border{ border-color:rgb(136, 173, 135) }
```

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

Here you see how a box with a 4 pixel `rgb(136, 173, 135)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(136, 173, 135); -webkit-box-  
shadow:4px 4px 4px 4px rgb(136, 173, 135);  
box-shadow:4px 4px 4px 4px rgb(136, 173,  
135) }
```


Background

The CSS property to change the background color of an element to Yxy 36.8707, 0.3108, 0.3888 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(136, 173, 135) }
```

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

```
.background{ background-color: rgb(136,  
173, 135) }
```

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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