

Converting Colors

$Yxy(36.2966, 0.3172, 0.3873)$

Have a look what the booklet for
Yxy(36.2966, 0.3172, 0.3873)
contains.

Yxy(36.1056, 0.3172, 0.3870)	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(36.1056, 0.3172, 0.3870)

Conversions

Conversions Part 1

Format	Color
Hex	8DAA85
RGB	141, 170, 133
RGB Percent	55%, 67%, 52%
CMY	0.4470, 0.3333, 0.4785
CMYK	0.17, 0.00, 0.22, 0.33
HSL	107°, 18%, 59%
HSV	107°, 22%, 67%
XYZ	29.5935, 36.1056, 27.5970
YIQ	157.1110, -5.4070, -17.6550

Conversions

Conversions Part 2

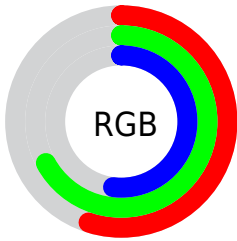
Format	Color
RYB	133, 170, 162
Decimal	9284229
CIELab	66.60, -17.15, 15.84
CIELCh	67, 23.348, 137.263
Yxy	36.1056, 0.3172, 0.3870
Android (android.graphics.Color)	4287474309 (0xFF8DAA85)
YUV	157.1110, -11.8867, -14.1293
Hunter-Lab	60.0879, -17.2420, 14.8310

Details

The Yxy color **36.1056, 0.3172, 0.3870** is a dark color, and the websafe version is hex **669966**. A complement of this color would be **27.3559, 0.3066, 0.2747**, and the grayscale version is **33.8270, 0.3127, 0.3290**.

A 20% lighter version of the original color is **68.9977, 0.3168, 0.3750**, and **15.7551, 0.3176, 0.4083** is the 20% darker color. If you saturate the color by 10%, you get **34.5764, 0.3188, 0.4178**, and if you desaturate by 10%, it is **37.8544, 0.3153, 0.3587**.

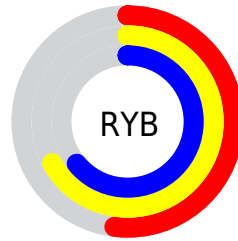
Distribution



Red (55%)

Green (67%)

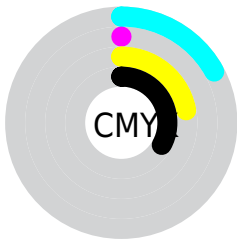
Blue (52%)



Red (52%)

Yellow (67%)

Blue (64%)

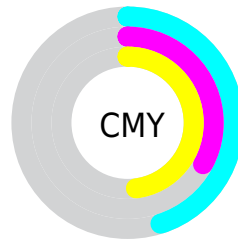


Cyan (17%)

Magenta (0%)

Yellow (22%)

Black (33%)



Cyan (45%)


Magenta (33%)


Yellow (48%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 36.1056, 0.3172, 0.3870 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 36.1056, 0.3172, 0.3870 by changing the saturation by 10% instead.


 36.1056, 0.3172,
0.3870


 36.1056, 0.3172,
0.3870


329.4219, 0.3154,
0.3558


 24.5158, 0.3175,
0.3956


 69.1950, 0.3167,
0.3751

 15.7167, 0.3177,
0.4070


 91.4634, 0.3164,
0.3708

 9.3239, 0.3177,
0.4232


 118.0601, 0.3162,
0.3673

 4.9530, 0.3171,
0.4477

149.3695, 0.3160,
0.3643

 2.2197, 0.3144,
0.4888

185.7759, 0.3158,
0.3617

 0.7307, 0.2741,
0.7259

227.6639, 0.3156,

 0.0000, 0.0000,

0.3595

0.0000

275.4177, 0.3155,
0.3575

■ 36.1056, 0.3172,
0.3870

■ 36.1056, 0.3172,
0.3870

■ 34.5764, 0.3188,
0.4178

■ 37.8544, 0.3153,
0.3587

■ 33.2535, 0.3198,
0.4503

■ 39.8262, 0.3131,
0.3332

■ 32.1292, 0.3200,
0.4834

■ 42.0302, 0.3109,
0.3105

■ 31.1937, 0.3194,
0.5154

■ 44.4739, 0.3086,
0.2906

■ 30.4361, 0.3176,
0.5441

■ 47.1642, 0.3064,
0.2730

■ 29.8445, 0.3148,
0.5676

■ 50.1077, 0.3043,
0.2577

■ 29.4051, 0.3112,
0.5842

■ 53.3110, 0.3023,
0.2444

■ 29.1403, 0.3082,
0.5935

■ 55.8458, 0.3107,
0.2444

■ 57.2303, 0.3166,
0.2460

Harmonies

Analogous

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



36.1056, 0.3515, 0.3923



36.1056, 0.3172, 0.3870



36.1056, 0.2830, 0.3630

Triad

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



36.1056, 0.3172, 0.3870



36.1056, 0.2521, 0.2771



36.1056, 0.3705, 0.3249

Complementary

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



36.1056, 0.3172, 0.3870



27.3559, 0.3066, 0.2747

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.



36.1056, 0.3411, 0.2980



36.1056, 0.3172, 0.3870



36.1056, 0.2728, 0.2709

Square

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



36.1056, 0.3172, 0.3870



36.1056, 0.2467, 0.2976



36.1056, 0.3050, 0.2787



36.1056, 0.3835, 0.3541

Rectangle

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



36.1056, 0.3172, 0.3870



36.1056, 0.2647, 0.3407



36.1056, 0.3050, 0.2787



36.1056, 0.3621, 0.3154

Sweetspot

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



36.1071, 0.3172, 0.3870



70.2900, 0.3143, 0.3465



36.0746, 0.3471, 0.3712



15.6297, 0.3144, 0.3480



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.



36.1071, 0.3172, 0.3870



64.1567, 0.3180, 0.4012



35.7341, 0.3015, 0.3710



8.4832, 0.3147, 0.3521



21.4560, 0.3088, 0.5930



0.5431, 0.3311, 0.5753

Inverse Universe

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



27.3559, 0.3066, 0.2747



45.4849, 0.3050, 0.2624



27.8410, 0.3261, 0.2904



7.5834, 0.3104, 0.3065



5.8389, 0.2675, 0.1248



0.1619, 0.2863, 0.1351

Previews

White Background



This preview shows how the Yxy color 36.1056, 0.3172, 0.3870 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 36.1056, 0.3172, 0.3870 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

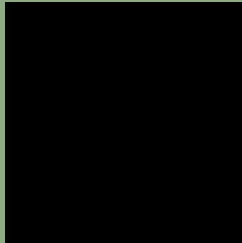
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 36.1056, 0.3172, 0.3870

Background



This preview shows how black text looks on a background with the Yxy color 36.1056, 0.3172, 0.3870.



This preview shows how white text looks on a background with the Yxy color 36.1056, 0.3172, 0.3870.

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

36.1056, 0.3172, 0.3870

Protanopia

35.8454, 0.3532, 0.3754

Deuteranopia

35.6594, 0.3629, 0.3554



Tritanopia

36.0211, 0.2876, 0.3099

Trichromacy



Original Color

36.1056, 0.3172, 0.3870

Protanomaly

35.7397, 0.3402, 0.3799

Deuteranomaly

35.4369, 0.3457, 0.3655

Tritanomaly

35.8654, 0.2979, 0.3365

Monochromacy



Original Color

36.1056, 0.3172, 0.3870

Achromatopsia

33.7164, 0.3127, 0.3290

Achromatomaly

34.5581, 0.3146, 0.3504

CSS Examples

Text

The CSS property to change the color of the text to Yxy 36.1056, 0.3172, 0.3870 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(141, 170, 133)` looks like.

```
.text, #text, p{  
    color:rgb(141, 170, 133)  
}
```

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(141, 170, 133) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(141, 170, 133) }
```

Border

The CSS property to change the border of an element to Yxy 36.1056, 0.3172, 0.3870 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(141, 170, 133) }
```

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

```
.border{ border-color:rgb(141, 170, 133) }
```

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

Here you see how a box with a 4 pixel `rgb(141, 170, 133)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(141, 170, 133); -webkit-box-  
shadow:4px 4px 4px 4px rgb(141, 170, 133);  
box-shadow:4px 4px 4px 4px rgb(141, 170,  
133) }
```


Background

The CSS property to change the background color of an element to Yxy 36.1056, 0.3172, 0.3870 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(141, 170, 133) }
```

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

```
.background{ background-color: rgb(141,  
170, 133) }
```

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