

Converting Colors

$Yxy(36.0529, 0.3084, 0.3823)$

Have a look what the booklet for
Yxy(36.0529, 0.3084, 0.3823)
contains.

Yxy(36.0829, 0.3084, 0.3828)	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(36.0829, 0.3084, 0.3828)

Conversions

Conversions Part 1

Format	Color
Hex	87AB89
RGB	135, 171, 137
RGB Percent	53%, 67%, 54%
CMY	0.4706, 0.3294, 0.4627
CMYK	0.21, 0.00, 0.20, 0.33
HSL	123°, 18%, 60%
HSV	123°, 21%, 67%
XYZ	29.0699, 36.0829, 29.1076
YIQ	156.3600, -10.5420, -18.2060

Conversions

Conversions Part 2

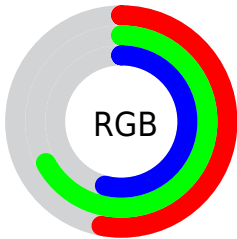
Format	Color
RYB	135, 169, 171
Decimal	8891273
CIELab	66.58, -19.08, 13.55
CIELCh	67, 23.404, 144.633
Yxy	36.0829, 0.3084, 0.3828
Android (android.graphics.Color)	4287081353 (0xFF87AB89)
YUV	156.3600, -9.5445, -18.7327
Hunter-Lab	60.0690, -18.7372, 13.3182

Details

The Yxy color **36.0829, 0.3084, 0.3828** is a dark color, and the websafe version is hex **669966**. A complement of this color would be **28.8472, 0.3172, 0.2805**, and the grayscale version is **33.4625, 0.3127, 0.3290**.

A 20% lighter version of the original color is **68.9292, 0.3100, 0.3718**, and **15.7666, 0.3057, 0.4025** is the 20% darker color. If you saturate the color by 10%, you get **34.3491, 0.3062, 0.4131**, and if you desaturate by 10%, it is **38.1168, 0.3105, 0.3555**.

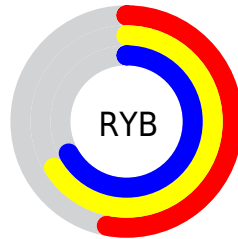
Distribution



Red (53%)

Green (67%)

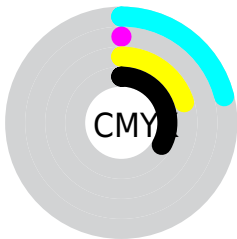
Blue (54%)



Red (53%)

Yellow (66%)

Blue (67%)

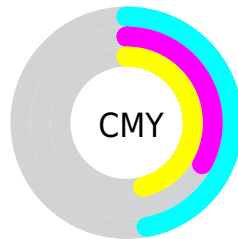


Cyan (21%)

Magenta (0%)

Yellow (20%)

Black (33%)



Cyan (47%)


Magenta (33%)


Yellow (46%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 36.0829, 0.3084, 0.3828 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 36.0829, 0.3084, 0.3828 by changing the saturation by 10% instead.


 36.0829, 0.3084,
0.3828


 36.0829, 0.3084,
0.3828


329.3227, 0.3111,
0.3539


 24.4982, 0.3075,
0.3908


 69.1600, 0.3095,
0.3718

 15.7036, 0.3062,
0.4015


 91.4212, 0.3099,
0.3678

 9.3147, 0.3042,
0.4167


 118.0101, 0.3102,
0.3645

 4.9470, 0.3006,
0.4397

149.3110, 0.3105,
0.3617

 2.2162, 0.2936,
0.4787

185.7083, 0.3107,
0.3593

 0.7288, 0.2373,
0.7627

227.5864, 0.3108,

 0.0000, 0.0000,

0.3572

0.0000

275.3298, 0.3110,
0.3554

■ 36.0829, 0.3084,
0.3828

■ 36.0829, 0.3084,
0.3828

■ 34.3491, 0.3062,
0.4131

■ 38.1168, 0.3105,
0.3555

■ 32.8969, 0.3041,
0.4457

■ 40.4593, 0.3125,
0.3314

■ 31.7129, 0.3021,
0.4796

■ 43.1241, 0.3144,
0.3103

■ 30.7805, 0.3005,
0.5128

■ 46.1228, 0.3161,
0.2921

■ 30.0816, 0.2993,
0.5432

■ 49.4664, 0.3176,
0.2764

■ 29.5955, 0.2988,
0.5684

■ 53.1653, 0.3190,
0.2629

■ 29.2978, 0.2988,
0.5864

■ 57.2296, 0.3202,
0.2512

■ 29.1487, 0.2989,
0.5961

■ 57.6075, 0.3166,
0.2469

Harmonies

Analogous

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



36.0829, 0.3437, 0.3930



36.0829, 0.3084, 0.3828



36.0829, 0.2756, 0.3552

Triad

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



36.0829, 0.3084, 0.3828



36.0829, 0.2557, 0.2741



36.0829, 0.3757, 0.3321

Complementary

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



36.0829, 0.3084, 0.3828



28.8472, 0.3172, 0.2805

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.



36.0829, 0.3495, 0.3040



36.0829, 0.3084, 0.3828



36.0829, 0.2798, 0.2714

Square

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



36.0829, 0.3084, 0.3828



36.0829, 0.2464, 0.2912



36.0829, 0.3139, 0.2823



36.0829, 0.3838, 0.3610

Rectangle

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



36.0829, 0.3084, 0.3828



36.0829, 0.2592, 0.3322



36.0829, 0.3139, 0.2823



36.0829, 0.3686, 0.3223

Sweetspot

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



36.0844, 0.3084, 0.3828



70.2689, 0.3115, 0.3432



39.3341, 0.3421, 0.3807



15.6119, 0.3114, 0.3447



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.



36.0844, 0.3084, 0.3828



63.1959, 0.3075, 0.3957



36.6374, 0.2943, 0.3541



8.9464, 0.3109, 0.3511



21.9752, 0.2987, 0.5955



0.6136, 0.2933, 0.5760

Inverse Universe

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



28.8472, 0.3172, 0.2805



48.0192, 0.3182, 0.2703



28.2244, 0.3359, 0.3053



8.1402, 0.3146, 0.3079



8.4785, 0.3353, 0.1621



0.2382, 0.3306, 0.1595

Previews

White Background



This preview shows how the Yxy color 36.0829, 0.3084, 0.3828 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 36.0829, 0.3084, 0.3828 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

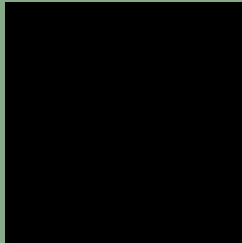
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 36.0829, 0.3084, 0.3828

Background



This preview shows how black text looks on a background with the Yxy color 36.0829, 0.3084, 0.3828.



This preview shows how white text looks on a background with the Yxy color 36.0829, 0.3084, 0.3828.

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

36.0829, 0.3084, 0.3828

Protanopia

35.8136, 0.3493, 0.3712

Deuteranopia

35.6504, 0.3579, 0.3499



Tritanopia

35.9157, 0.2810, 0.3082

Trichromacy



Original Color

36.0829, 0.3084, 0.3828

Protanomaly

35.9006, 0.3334, 0.3757

Deuteranomaly

35.5693, 0.3387, 0.3613

Tritanomaly

35.8067, 0.2903, 0.3335

Monochromacy



Original Color

36.0829, 0.3084, 0.3828

Achromatopsia

33.2452, 0.3127, 0.3290

Achromatomaly

33.9556, 0.3109, 0.3475

CSS Examples

Text

The CSS property to change the color of the text to Yxy 36.0829, 0.3084, 0.3828 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(135, 171, 137)` looks like.

```
.text, #text, p{  
    color:rgb(135, 171, 137)  
}
```

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(135, 171, 137) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(135, 171, 137) }
```

Border

The CSS property to change the border of an element to Yxy 36.0829, 0.3084, 0.3828 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(135, 171, 137) }
```

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

```
.border{ border-color:rgb(135, 171, 137) }
```

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

Here you see how a box with a 4 pixel `rgb(135, 171, 137)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(135, 171, 137); -webkit-box-  
shadow:4px 4px 4px 4px rgb(135, 171, 137);  
box-shadow:4px 4px 4px 4px rgb(135, 171,  
137) }
```


Background

The CSS property to change the background color of an element to Yxy 36.0829, 0.3084, 0.3828 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(135, 171, 137) }
```

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

```
.background{ background-color: rgb(135,  
171, 137) }
```

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