

Converting Colors

$Y_{xy}(36.3821, 0.3102, 0.3962)$

Have a look what the booklet for
Yxy(36.3821, 0.3102, 0.3962)
contains.

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Color

Yxy(36.4314, 0.3104, 0.3960)

Conversions

Conversions Part 1

Format	Color
Hex	84AD83
RGB	132, 173, 131
RGB Percent	52%, 68%, 51%
CMY	0.4824, 0.3216, 0.4861
CMYK	0.24, 0.00, 0.24, 0.32
HSL	119°, 20%, 60%
HSV	119°, 24%, 68%
XYZ	28.5563, 36.4314, 27.0108
YIQ	155.9530, -10.9540, -21.7540

Conversions

Conversions Part 2

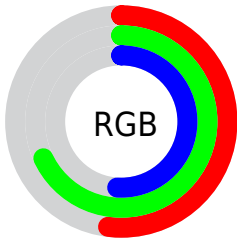
Format	Color
RYB	131, 173, 172
Decimal	8695171
CIELab	66.85, -22.22, 17.17
CIElCh	67, 28.086, 142.302
Yxy	36.4314, 0.3104, 0.3960
Android (android.graphics.Color)	4286885251 (0xFF84AD83)
YUV	155.9530, -12.3018, -21.0068
Hunter-Lab	60.3584, -21.1767, 15.7183

Details

The Yxy color **36.4314, 0.3104, 0.3960** is a dark color, and the websafe version is hex **669966**. A complement of this color would be **28.0349, 0.3145, 0.2697**, and the grayscale version is **33.2840, 0.3127, 0.3290**.

A 20% lighter version of the original color is **69.9384, 0.3115, 0.3828**, and **15.7764, 0.3085, 0.4197** is the 20% darker color. If you saturate the color by 10%, you get **34.7480, 0.3091, 0.4289**, and if you desaturate by 10%, it is **38.4171, 0.3115, 0.3660**.

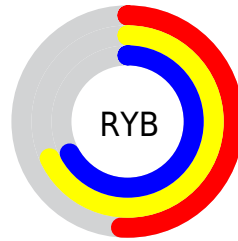
Distribution



Red (52%)

Green (68%)

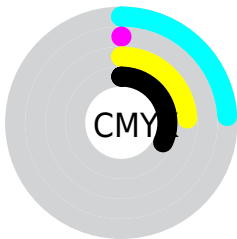
Blue (51%)



Red (51%)

Yellow (68%)

Blue (67%)

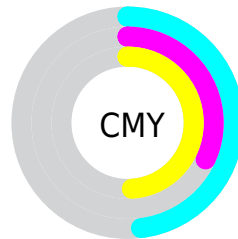


Cyan (24%)

Magenta (0%)

Yellow (24%)

Black (32%)



Cyan (48%)


Magenta (32%)

Yellow (49%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 36.4314, 0.3104, 0.3960 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 36.4314, 0.3104, 0.3960 by changing the saturation by 10% instead.


 36.4314, 0.3104,
0.3960

 36.4314, 0.3104,
0.3960


330.8422, 0.3123,
0.3598

 24.7676, 0.3096,
0.4060


 69.6974, 0.3113,
0.3822

 15.9040, 0.3084,
0.4195


 92.0684, 0.3116,
0.3772

 9.4562, 0.3063,
0.4385


 118.7771, 0.3118,
0.3730

 5.0399, 0.3024,
0.4674

150.2081, 0.3119,
0.3696

 2.2707, 0.2943,
0.5168

186.7457, 0.3121,
0.3666

 0.7581, 0.1902,
0.8098

228.7744, 0.3122,

 0.0000, 0.0000,

0.3640

0.0000

276.6784, 0.3122,
0.3618

■ 36.4314, 0.3104,
0.3960

■ 36.4314, 0.3104,
0.3960

■ 34.7480, 0.3091,
0.4289

■ 38.4171, 0.3115,
0.3660

■ 33.3477, 0.3077,
0.4637

■ 40.7140, 0.3124,
0.3394

■ 32.2164, 0.3062,
0.4988


■ 43.3364, 0.3131,
0.3160


■ 31.3369, 0.3046,
0.5319


■ 46.2962, 0.3137,
0.2957


■ 30.6898, 0.3031,
0.5603


■ 49.6048, 0.3142,
0.2783

 30.2533, 0.3018,
0.5816

 53.2730, 0.3146,
0.2633

 30.0010, 0.3008,
0.5946

 57.3113, 0.3150,
0.2504

 29.9142, 0.3005,
0.5996

 58.3687, 0.3165,
0.2488

Harmonies

Analogous

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



36.4314, 0.3522, 0.4058



36.4314, 0.3104, 0.3960



36.4314, 0.2709, 0.3636

Triad

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



36.4314, 0.3104, 0.3960



36.4314, 0.2437, 0.2647



36.4314, 0.3865, 0.3294

Complementary

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



36.4314, 0.3104, 0.3960



28.0349, 0.3145, 0.2697

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.



36.4314, 0.3535, 0.2969



36.4314, 0.3104, 0.3960



36.4314, 0.2706, 0.2607

Square

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



36.4314, 0.3104, 0.3960



36.4314, 0.2342, 0.2857



36.4314, 0.3104, 0.2725



36.4314, 0.3979, 0.3636

Rectangle

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



36.4314, 0.3104, 0.3960



36.4314, 0.2510, 0.3357



36.4314, 0.3104, 0.2725



36.4314, 0.3774, 0.3180

Sweetspot

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



36.4329, 0.3104, 0.3960



71.6773, 0.3121, 0.3466



39.8793, 0.3490, 0.3865



15.5253, 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.



36.4329, 0.3104, 0.3960



63.5980, 0.3098, 0.4129



36.9387, 0.2943, 0.3640



8.9477, 0.3119, 0.3524



21.9787, 0.3006, 0.5995



0.6142, 0.3034, 0.5973

Inverse Universe

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



28.0349, 0.3145, 0.2697



45.9864, 0.3148, 0.2568



27.4399, 0.3365, 0.2965



8.1386, 0.3134, 0.3066



8.4218, 0.3153, 0.1511



0.2371, 0.3171, 0.1521

Previews

White Background



This preview shows how the Yxy color 36.4314, 0.3104, 0.3960 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 36.4314, 0.3104, 0.3960 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

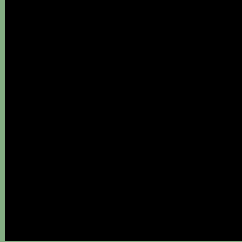
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 36.4314, 0.3104, 0.3960

Background



This preview shows how black text looks on a background with the Yxy color 36.4314, 0.3104, 0.3960.



This preview shows how white text looks on a background with the Yxy color 36.4314, 0.3104, 0.3960.

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

36.4314, 0.3104, 0.3960

Protanopia

36.2313, 0.3567, 0.3810

Deuteranopia

36.0910, 0.3646, 0.3581



Tritanopia

36.5082, 0.2789, 0.3097

Trichromacy



Original Color

36.4314, 0.3104, 0.3960

Protanomaly

36.1000, 0.3385, 0.3863

Deuteranomaly

35.7774, 0.3431, 0.3702

Tritanomaly

36.3029, 0.2903, 0.3397

Monochromacy



Original Color

36.4314, 0.3104, 0.3960

Achromatopsia

33.2452, 0.3127, 0.3290

Achromatomaly

34.1503, 0.3116, 0.3522

CSS Examples

Text

The CSS property to change the color of the text to Yxy 36.4314, 0.3104, 0.3960 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(132, 173, 131)` looks like.

```
.text, #text, p{  
    color:rgb(132, 173, 131)  
}
```

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(132, 173, 131) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(132, 173, 131) }
```

Border

The CSS property to change the border of an element to Yxy 36.4314, 0.3104, 0.3960 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(132, 173, 131) }
```

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

```
.border{ border-color:rgb(132, 173, 131) }
```

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

Here you see how a box with a 4 pixel `rgb(132, 173, 131)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(132, 173, 131); -webkit-box-  
shadow:4px 4px 4px 4px rgb(132, 173, 131);  
box-shadow:4px 4px 4px 4px rgb(132, 173,  
131) }
```


Background

The CSS property to change the background color of an element to Yxy 36.4314, 0.3104, 0.3960 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(132, 173, 131) }
```

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

```
.background{ background-color: rgb(132,  
173, 131) }
```

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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