

Converting Colors

$Yxy(37.9028, 0.3202, 0.4267)$

Have a look what the booklet for
Yxy(37.9028, 0.3202, 0.4267)
contains.

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Color

Yxy(37.9270, 0.3205, 0.4276)

Conversions

Conversions Part 1

Format	Color
Hex	83B274
RGB	131, 178, 116
RGB Percent	51%, 70%, 45%
CMY	0.4864, 0.3019, 0.5451
CMYK	0.26, 0.00, 0.35, 0.30
HSL	106°, 29%, 58%
HSV	106°, 35%, 70%
XYZ	28.4275, 37.9270, 22.3429
YIQ	156.8790, -8.1100, -29.2460

Conversions

Conversions Part 2

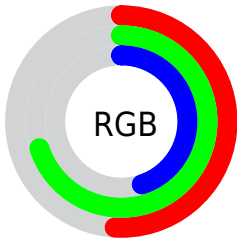
Format	Color
RYB	116, 178, 163
Decimal	8630900
CIELab	67.97, -27.55, 26.80
CIELCh	68, 38.437, 135.784
Yxy	37.9270, 0.3205, 0.4276
Android (android.graphics.Color)	4286820980 (0xFF83B274)
YUV	156.8790, -20.1533, -22.6959
Hunter-Lab	61.5849, -25.3782, 21.5991

Details

The Yxy color **37.9270, 0.3205, 0.4276** is a dark color, and the websafe version is hex **669966**. A complement of this color would be **23.4959, 0.2999, 0.2397**, and the grayscale version is **33.7515, 0.3127, 0.3290**.

A 20% lighter version of the original color is **72.0245, 0.3196, 0.4068**, and **16.7780, 0.3205, 0.4613** is the 20% darker color. If you saturate the color by 10%, you get **36.5446, 0.3216, 0.4603**, and if you desaturate by 10%, it is **39.5326, 0.3187, 0.3963**.

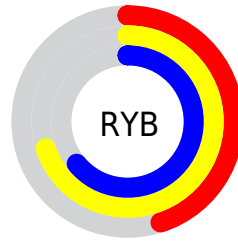
Distribution



Red (51%)

Green (70%)

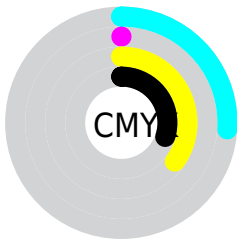
Blue (45%)



Red (45%)

Yellow (70%)

Blue (64%)

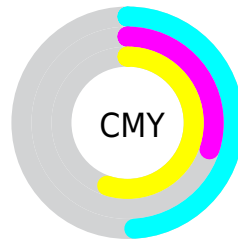


Cyan (26%)

Magenta (0%)

Yellow (35%)

Black (30%)



Cyan (49%)


Magenta (30%)


Yellow (55%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 37.9270, 0.3205, 0.4276 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 37.9270, 0.3205, 0.4276 by changing the saturation by 10% instead.


 37.9270, 0.3205,
0.4276


 37.9270, 0.3205,
0.4276


337.3067, 0.3180,
0.3743

 25.9260, 0.3205,
0.4422


 71.9962, 0.3200,
0.4072

 16.7683, 0.3201,
0.4618


 94.8333, 0.3197,
0.3999

 10.0694, 0.3186,
0.4892


 122.0512, 0.3193,
0.3938

 5.4450, 0.3144,
0.5298

154.0343, 0.3190,
0.3887

 2.5107, 0.3130,
0.6155

191.1670, 0.3187,
0.3843

 0.8820, 0.1582,
0.8418

233.8337, 0.3185,

 0.0000, 0.0000,

0.3805

0.0000

282.4188, 0.3182,
0.3772

■ 37.9270, 0.3205,
0.4276

■ 37.9270, 0.3205,
0.4276

■ 36.5446, 0.3216,
0.4603

■ 39.5326, 0.3187,
0.3963

■ 35.3707, 0.3219,
0.4931

■ 41.3658, 0.3165,
0.3672

■ 34.3960, 0.3210,
0.5240


■ 43.4370, 0.3140,
0.3408


■ 33.6087, 0.3189,
0.5511

■ 45.7544, 0.3114,
0.3172

■ 32.9958, 0.3157,
0.5725


■ 48.3260, 0.3087,
0.2963

 32.5421, 0.3117,
0.5868

 51.1592, 0.3062,
0.2779

 32.3584, 0.3097,
0.5923

 54.2613, 0.3037,
0.2618

 57.4179, 0.3038,
0.2507

 59.8574, 0.3143,
0.2532

Harmonies

Analogous

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



37.9270, 0.3752, 0.4311



37.9270, 0.3205, 0.4276



37.9270, 0.2664, 0.3883

Triad

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



37.9270, 0.3205, 0.4276



37.9270, 0.2172, 0.2474



37.9270, 0.4050, 0.3182

Complementary

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



37.9270, 0.3205, 0.4276



23.4959, 0.2999, 0.2397

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.



37.9270, 0.3551, 0.2785



37.9270, 0.3205, 0.4276



37.9270, 0.2471, 0.2387

Square

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



37.9270, 0.3205, 0.4276



37.9270, 0.2101, 0.2785



37.9270, 0.2963, 0.2502



37.9270, 0.4274, 0.3629

Rectangle

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



37.9270, 0.3205, 0.4276



37.9270, 0.2379, 0.3498



37.9270, 0.2963, 0.2502



37.9270, 0.3907, 0.3041

Sweetspot

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



37.9286, 0.3205, 0.4276



76.7002, 0.3153, 0.3545



36.7473, 0.3710, 0.3948



16.8787, 0.3157, 0.3582



91.1408, 0.3127, 0.3290



17.8868, 0.3127, 0.3290

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



37.9286, 0.3205, 0.4276



66.7588, 0.3215, 0.4534



37.2107, 0.2967, 0.4051



9.5858, 0.3151, 0.3523



23.1742, 0.3103, 0.5918



0.7565, 0.3311, 0.5753

Inverse Universe

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



23.4959, 0.2999, 0.2397



36.5301, 0.2960, 0.2191



24.5826, 0.3342, 0.2635



8.5414, 0.3100, 0.3063



6.0187, 0.2614, 0.1214



0.2143, 0.2789, 0.1310

Previews

White Background



This preview shows how the Yxy color 37.9270, 0.3205, 0.4276 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 37.9270, 0.3205, 0.4276 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

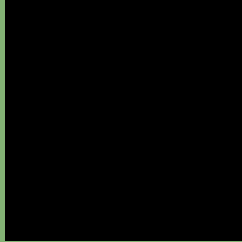
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 37.9270, 0.3205, 0.4276

Background



This preview shows how black text looks on a background with the Yxy color 37.9270, 0.3205, 0.4276.



This preview shows how white text looks on a background with the Yxy color 37.9270, 0.3205, 0.4276.

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

37.9270, 0.3205, 0.4276

Protanopia

37.6417, 0.3753, 0.4047

Deuteranopia

37.4119, 0.3870, 0.3798



Tritanopia

37.9191, 0.2786, 0.3100

Trichromacy



Original Color

37.9270, 0.3205, 0.4276

Protanomaly

37.6231, 0.3542, 0.4132

Deuteranomaly

37.0128, 0.3610, 0.3953

Tritanomaly

37.7936, 0.2936, 0.3503

Monochromacy



Original Color

37.9270, 0.3205, 0.4276

Achromatopsia

33.7164, 0.3127, 0.3290

Achromatomaly

35.1592, 0.3167, 0.3644

CSS Examples

Text

The CSS property to change the color of the text to Yxy 37.9270, 0.3205, 0.4276 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(131, 178, 116)` looks like.

```
.text, #text, p{  
    color:rgb(131, 178, 116)  
}
```

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(131, 178, 116) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(131, 178, 116) }
```

Border

The CSS property to change the border of an element to Yxy 37.9270, 0.3205, 0.4276 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(131, 178, 116) }
```

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

```
.border{ border-color:rgb(131, 178, 116) }
```

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

Here you see how a box with a 4 pixel `rgb(131, 178, 116)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(131, 178, 116); -webkit-box-  
shadow:4px 4px 4px 4px rgb(131, 178, 116);  
box-shadow:4px 4px 4px 4px rgb(131, 178,  
116) }
```


Background

The CSS property to change the background color of an element to Yxy 37.9270, 0.3205, 0.4276 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(131, 178, 116) }
```

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

```
.background{ background-color: rgb(131,  
178, 116) }
```

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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