

Converting Colors

$Yxy(37.2465, 0.3215, 0.4270)$

Have a look what the booklet for
Yxy(37.2465, 0.3215, 0.4270)
contains.

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Color

Yxy(37.1138, 0.3216, 0.4266)

Conversions

Conversions Part 1

Format	Color
Hex	83B073
RGB	131, 176, 115
RGB Percent	51%, 69%, 45%
CMY	0.4863, 0.3098, 0.5490
CMYK	0.26, 0.00, 0.35, 0.31
HSL	104°, 28%, 57%
HSV	104°, 35%, 69%
XYZ	27.9789, 37.1138, 21.9064
YIQ	155.5910, -7.2390, -28.5110

Conversions

Conversions Part 2

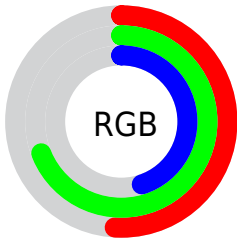
Format	Color
RYB	115, 176, 160
Decimal	8630387
CIELab	67.36, -26.71, 26.54
CIELCh	67, 37.651, 135.189
Yxy	37.1138, 0.3216, 0.4266
Android (android.graphics.Color)	4286820467 (0xFF83B073)
YUV	155.5910, -20.0114, -21.5663
Hunter-Lab	60.9211, -24.6332, 21.3249

Details

The Yxy color **37.1138, 0.3216, 0.4266** is a dark color, and the websafe version is hex **669966**. A complement of this color would be **22.8690, 0.2986, 0.2399**, and the grayscale version is **33.1472, 0.3127, 0.3290**.

A 20% lighter version of the original color is **70.8175, 0.3210, 0.4071**, and **16.2647, 0.3219, 0.4603** is the 20% darker color. If you saturate the color by 10%, you get **35.7755, 0.3230, 0.4590**, and if you desaturate by 10%, it is **38.6626, 0.3195, 0.3955**.

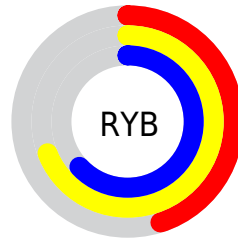
Distribution



Red (51%)

Green (69%)

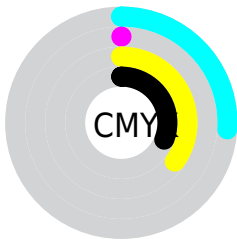
Blue (45%)



Red (45%)

Yellow (69%)

Blue (63%)

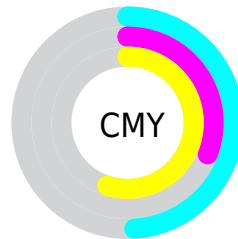


Cyan (26%)

Magenta (0%)

Yellow (35%)

Black (31%)



Cyan (49%)


Magenta (31%)


Yellow (55%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 37.1138, 0.3216, 0.4266 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 37.1138, 0.3216, 0.4266 by changing the saturation by 10% instead.

 37.1138, 0.3216,
0.4266


 37.1138, 0.3216,
0.4266


333.8029, 0.3184,
0.3737

 25.2956, 0.3218,
0.4412


 70.7478, 0.3209,
0.4064

 16.2974, 0.3216,
0.4607


 93.3324, 0.3204,
0.3991

 9.7349, 0.3204,
0.4881


 120.2745, 0.3200,
0.3930

 5.2235, 0.3165,
0.5289

151.9587, 0.3197,
0.3879

 2.3790, 0.3181,
0.6200

188.7692, 0.3193,
0.3836

 0.8151, 0.1308,
0.8692

231.0905, 0.3190,

 0.0000, 0.0000,

0.3798

0.0000

279.3069, 0.3187,
0.3766

■ 37.1138, 0.3216,
0.4266

■ 37.1138, 0.3216,
0.4266

■ 35.7755, 0.3230,
0.4590

■ 38.6626, 0.3195,
0.3955

■ 34.6338, 0.3235,
0.4915

■ 40.4257, 0.3169,
0.3666

■ 33.6802, 0.3228,
0.5223

■ 42.4128, 0.3141,
0.3403


■ 32.9038, 0.3209,
0.5493

■ 44.6315, 0.3111,
0.3168

■ 32.2927, 0.3176,
0.5706


■ 47.0893, 0.3082,
0.2959


 31.8327, 0.3134,
0.5852

 49.7931, 0.3054,
0.2775

 31.6374, 0.3113,
0.5911

 52.7494, 0.3026,
0.2614

 55.9133, 0.3006,
0.2479

 58.2032, 0.3107,
0.2504

Harmonies

Analogous

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



37.1138, 0.3755, 0.4295



37.1138, 0.3216, 0.4266



37.1138, 0.2680, 0.3885

Triad

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



37.1138, 0.3216, 0.4266



37.1138, 0.2180, 0.2488



37.1138, 0.4030, 0.3176

Complementary

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



37.1138, 0.3216, 0.4266



22.8690, 0.2986, 0.2399

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.



37.1138, 0.3534, 0.2784



37.1138, 0.3216, 0.4266



37.1138, 0.2471, 0.2397

Square

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



37.1138, 0.3216, 0.4266



37.1138, 0.2115, 0.2801



37.1138, 0.2955, 0.2507



37.1138, 0.4257, 0.3617

Rectangle

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



37.1138, 0.3216, 0.4266



37.1138, 0.2395, 0.3508



37.1138, 0.2955, 0.2507



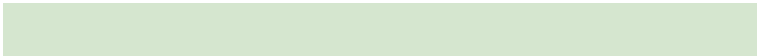
37.1138, 0.3887, 0.3036

Sweetspot

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



37.1154, 0.3216, 0.4266



74.8805, 0.3157, 0.3545



35.5186, 0.3711, 0.3931



16.1223, 0.3160, 0.3581



89.0005, 0.3127, 0.3290



17.0645, 0.3127, 0.3290

Same Dimension

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



37.1154, 0.3216, 0.4266



65.3208, 0.3228, 0.4527



36.2884, 0.2975, 0.4063



9.5943, 0.3154, 0.3523



23.2361, 0.3119, 0.5906



0.7600, 0.3336, 0.5734

Inverse Universe

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



22.8690, 0.2986, 0.2399



35.3590, 0.2941, 0.2186



24.0913, 0.3328, 0.2626



8.5324, 0.3097, 0.3063



5.8023, 0.2563, 0.1186



0.2089, 0.2752, 0.1290

Previews

White Background



This preview shows how the Yxy color 37.1138, 0.3216, 0.4266 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 37.1138, 0.3216, 0.4266 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

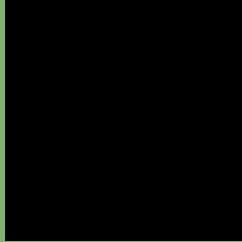
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 37.1138, 0.3216, 0.4266

Background



This preview shows how black text looks on a background with the Yxy color 37.1138, 0.3216, 0.4266.



This preview shows how white text looks on a background with the Yxy color 37.1138, 0.3216, 0.4266.

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

37.1138, 0.3216, 0.4266

Protanopia

36.6673, 0.3751, 0.4041

Deuteranopia

36.9152, 0.3874, 0.3800



Tritanopia

37.0922, 0.2799, 0.3099

Trichromacy



Original Color

37.1138, 0.3216, 0.4266

Protanomaly

36.6487, 0.3538, 0.4126

Deuteranomaly

36.5169, 0.3613, 0.3957

Tritanomaly

36.9634, 0.2951, 0.3504

Monochromacy



Original Color

37.1138, 0.3216, 0.4266

Achromatopsia

33.2452, 0.3127, 0.3290

Achromatomaly

34.3205, 0.3168, 0.3632

CSS Examples

Text

The CSS property to change the color of the text to Yxy 37.1138, 0.3216, 0.4266 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, 176, 115)` looks like.

```
.text, #text, p{  
    color:rgb(131, 176, 115)  
}
```

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, 176, 115) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(131, 176, 115) }
```

Border

The CSS property to change the border of an element to Yxy 37.1138, 0.3216, 0.4266 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, 176, 115) }
```

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

```
.border{ border-color:rgb(131, 176, 115) }
```

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

Here you see how a box with a 4 pixel `rgb(131, 176, 115)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(131, 176, 115); -webkit-box-  
shadow:4px 4px 4px 4px rgb(131, 176, 115);  
box-shadow:4px 4px 4px 4px rgb(131, 176,  
115) }
```


Background

The CSS property to change the background color of an element to Yxy 37.1138, 0.3216, 0.4266 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(131, 176, 115) }
```

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

```
.background{ background-color: rgb(131,  
176, 115) }
```

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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