

Converting Colors

Yxy(38.8688, 0.3030, 0.4240)

Have a look what the booklet for
Yxy(38.8688, 0.3030, 0.4240)
contains.

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Color

Yxy(38.6930, 0.3028, 0.4230)

Conversions

Conversions Part 1

| Format | Color |
|-------------|------------------------------|
| Hex | 75B67C |
| RGB | 117, 182, 124 |
| RGB Percent | 46%, 71%, 49% |
| CMY | 0.5414, 0.2862, 0.5137 |
| CMYK | 0.36, 0.00, 0.32, 0.29 |
| HSL | 127°, 31%, 59% |
| HSV | 127°, 36%, 71% |
| XYZ | 27.6980, 38.6930, 25.0818 |
| YIQ | 155.9530, -20.1220, -31.8180 |

Conversions

Conversions Part 2

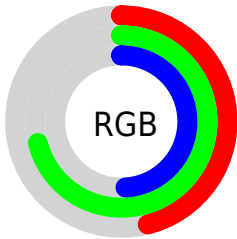
| Format | Color |
|-------------------------------------|--|
| RYB | 117, 176, 182 |
| Decimal | 7714428 |
| CIELab | 68.53, -32.85, 23.14 |
| CIELCh | 69, 40.183, 144.846 |
| Yxy | 38.6930, 0.3028, 0.4230 |
| Android (android.graphics.Color) | 4285904508 (0xFF75B67C) |
| YUV | 155.9530, -15.7528, -34.1618 |
| Hunter-Lab | 62.2037, -29.3743, 19.6356 |

Details

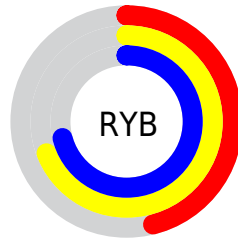
The Yxy color **38.6930, 0.3028, 0.4230** is a dark color, and the websafe version is hex **99CC99**. A complement of this color would be **25.7510, 0.3245, 0.2503**, and the grayscale version is **33.2986, 0.3127, 0.3290**.

A 20% lighter version of the original color is **72.9813, 0.3055, 0.4031**, and **17.3323, 0.2971, 0.4556** is the 20% darker color. If you saturate the color by 10%, you get **37.1773, 0.3003, 0.4549**, and if you desaturate by 10%, it is **40.5246, 0.3055, 0.3931**.

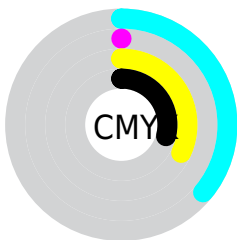
Distribution



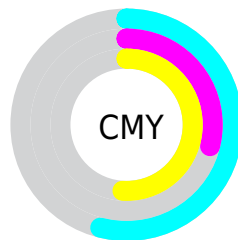
- Red (46%)
- Green (71%)
- Blue (49%)



- Red (46%)
- Yellow (69%)
- Blue (71%)



- Cyan (36%)
- Magenta (0%)
- Yellow (32%)
- Black (29%)





- Cyan (54%)
- Magenta (29%)
- Yellow (51%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 38.6930, 0.3028, 0.4230 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 38.6930, 0.3028, 0.4230 by changing the saturation by 10% instead.


 38.6930, 0.3028,
0.4230


 38.6930, 0.3028,
0.4230

340.5835, 0.3093,
0.3721

 26.5210, 0.3006,
0.4371


 73.1691, 0.3056,
0.4035

 17.2138, 0.2973,
0.4560


 96.2420, 0.3065,
0.3965

 10.3870, 0.2921,
0.4827


 123.7172, 0.3072,
0.3907

 5.6563, 0.2830,
0.5229

155.9793, 0.3078,
0.3858

 2.6373, 0.2672,
0.5941

193.4126, 0.3083,
0.3816

 0.9454, 0.0916,
0.9084


236.4014, 0.3087,


 0.0000, 0.0000,


0.3780


0.0000


285.3303, 0.3090,
0.3748


 38.6930, 0.3028,
0.4230


 38.6930, 0.3028,
0.4230


 37.1773, 0.3003,
0.4549


 40.5246, 0.3055,
0.3931


 35.9550, 0.2982,
0.4875


 42.6834, 0.3084,
0.3659

 35.0085, 0.2968,
0.5190


 45.1860, 0.3112,
0.3416

 34.3161, 0.2962,
0.5475


 48.0467, 0.3138,
0.3203

 33.8529, 0.2965,
0.5706

 51.2788, 0.3164,
0.3017

 33.5880, 0.2975,
0.5871

 54.8949, 0.3187,
0.2857

 33.5100, 0.2978,
0.5921

 58.9070, 0.3209,
0.2718

 61.8644, 0.3169,
0.2586

 61.9404, 0.3161,
0.2575

Harmonies

Analogous

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



38.6930, 0.3610, 0.4380



38.6930, 0.3028, 0.4230



38.6930, 0.2501, 0.3731

Triad

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



38.6930, 0.3028, 0.4230



38.6930, 0.2208, 0.2394



38.6930, 0.4193, 0.3314

Complementary

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



38.6930, 0.3028, 0.4230



25.7510, 0.3245, 0.2503

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.



38.6930, 0.3743, 0.2881



38.6930, 0.3028, 0.4230



38.6930, 0.2582, 0.2372

Square

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



38.6930, 0.3028, 0.4230



38.6930, 0.2063, 0.2642



38.6930, 0.3137, 0.2547



38.6930, 0.4315, 0.3775

Rectangle

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



38.6930, 0.3028, 0.4230



38.6930, 0.2249, 0.3318



38.6930, 0.3137, 0.2547



38.6930, 0.4073, 0.3163

Sweetspot

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



38.6946, 0.3028, 0.4230



79.3632, 0.3097, 0.3544



43.9161, 0.3595, 0.4184



17.3959, 0.3093, 0.3578



93.3107, 0.3127, 0.3290



18.7317, 0.3127, 0.3290

Same Dimension

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



38.6946, 0.3028, 0.4230



67.9037, 0.3008, 0.4483



39.6389, 0.2804, 0.3697



10.0755, 0.3102, 0.3500



23.6663, 0.2975, 0.5910



0.8396, 0.2889, 0.5599

Inverse Universe

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



25.7510, 0.3245, 0.2503



40.9027, 0.3277, 0.2335



24.6404, 0.3628, 0.2921



9.1455, 0.3154, 0.3089



8.8774, 0.3499, 0.1701



0.3178, 0.3415, 0.1655

Previews

White Background



This preview shows how the Yxy color 38.6930, 0.3028, 0.4230 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 38.6930, 0.3028, 0.4230 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

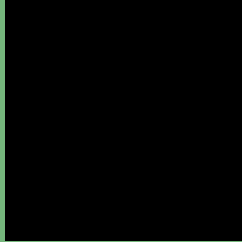
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 38.6930, 0.3028, 0.4230

Background



This preview shows how black text looks on a background with the Yxy color 38.6930, 0.3028, 0.4230.



This preview shows how white text looks on a background with the Yxy color 38.6930, 0.3028, 0.4230.

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

38.6930, 0.3028, 0.4230

Protanopia

38.1405, 0.3695, 0.3977

Deuteranopia

38.3287, 0.3773, 0.3704



Tritanopia

38.5701, 0.2659, 0.3083

Trichromacy



Original Color

38.6930, 0.3028, 0.4230

Protanomaly

37.9290, 0.3418, 0.4070

Deuteranomaly

37.7531, 0.3478, 0.3888

Tritanomaly

38.5209, 0.2793, 0.3474

Monochromacy



Original Color

38.6930, 0.3028, 0.4230

Achromatopsia

33.2452, 0.3127, 0.3290

Achromatomaly

34.6747, 0.3093, 0.3618

CSS Examples

Text

The CSS property to change the color of the text to Yxy 38.6930, 0.3028, 0.4230 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(117, 182, 124)` looks like.

```
.text, #text, p{  
    color:rgb(117, 182, 124)  
}
```

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(117, 182, 124) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(117, 182, 124) }
```

Border

The CSS property to change the border of an element to Yxy 38.6930, 0.3028, 0.4230 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(117, 182, 124) }
```

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

```
.border{ border-color:rgb(117, 182, 124) }
```

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

Here you see how a box with a 4 pixel `rgb(117, 182, 124)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(117, 182, 124); -webkit-box-  
shadow:4px 4px 4px 4px rgb(117, 182, 124);  
box-shadow:4px 4px 4px 4px rgb(117, 182,  
124) }
```


Background

The CSS property to change the background color of an element to Yxy 38.6930, 0.3028, 0.4230 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(117, 182, 124) }
```

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

```
.background{ background-color: rgb(117,  
182, 124) }
```

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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