

Converting Colors

$Y_{xy}(38.0273, 0.4060, 0.4435)$

Have a look what the booklet for
Yxy(38.0273, 0.4060, 0.4435)
contains.

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Color

Yxy(38.0273, 0.4060, 0.4435)

Conversions

Conversions Part 1

Format	Color
Hex	B8A64F
RGB	184, 166, 79
RGB Percent	72%, 65%, 31%
CMY	0.2785, 0.3490, 0.6901
CMYK	0.00, 0.10, 0.57, 0.28
HSL	50°, 42%, 52%
HSV	50°, 57%, 72%
XYZ	34.8119, 38.0273, 12.9044
YIQ	161.4640, 38.6550, -23.2410

Conversions

Conversions Part 2

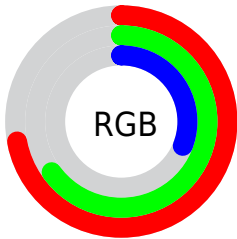
Format	Color
RYB	101, 184, 79
Decimal	12101199
CIELab	68.04, -4.51, 46.66
CIELCh	68, 46.875, 95.516
Yxy	38.0273, 0.4060, 0.4435
Android (android.graphics.Color)	4290291279 (0xFFB8A64F)
YUV	161.4640, -40.6548, 19.7641
Hunter-Lab	61.6663, -7.1490, 30.7592

Details

The Yxy color **38.0273, 0.4060, 0.4435** is a dark color, and the websafe version is hex **999933**. A complement of this color would be **13.6695, 0.2099, 0.1777**, and the grayscale version is **36.0481, 0.3127, 0.3290**.

A 20% lighter version of the original color is **72.2288, 0.3900, 0.4231**, and **16.7077, 0.4278, 0.4725** is the 20% darker color. If you saturate the color by 10%, you get **36.6658, 0.4209, 0.4583**, and if you desaturate by 10%, it is **39.4946, 0.3897, 0.4257**.

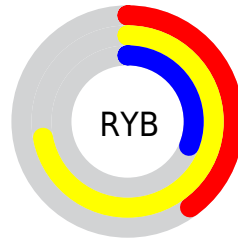
Distribution



Red (72%)

Green (65%)

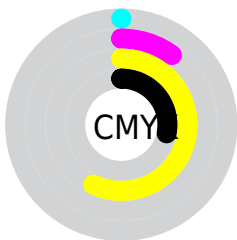
Blue (31%)



Red (40%)

Yellow (72%)

Blue (31%)

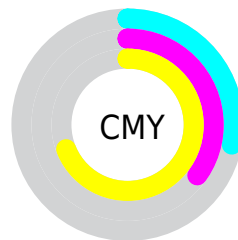


Cyan (0%)

Magenta (10%)

Yellow (57%)

Black (28%)



Cyan (28%)

Magenta (35%)

Yellow (69%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 38.0273, 0.4060, 0.4435 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 38.0273, 0.4060, 0.4435 by changing the saturation by 10% instead.

 38.0273, 0.4060,
0.4435


 38.0273, 0.4060,
0.4435


337.7371, 0.3605,
0.3862

 26.0039, 0.4161,
0.4568


 72.1500, 0.3902,
0.4232


 16.8265, 0.4279,
0.4730


 95.0180, 0.3840,
0.4153

 10.1109, 0.4412,
0.4922


 122.2697, 0.3787,
0.4087

 5.4725, 0.4640,
0.5247

 154.2895, 0.3741,
0.4029

 2.5271, 0.4640,
0.5360

 191.4617, 0.3700,
0.3979

 0.8902, 0.4526,
0.5474

234.1708, 0.3665,

 0.0000, 0.0000,

0.3935

0.0000

282.8011, 0.3633,
0.3897

■ 38.0273, 0.4060,
0.4435

■ 38.0273, 0.4060,
0.4435

■ 36.6658, 0.4209,
0.4583

■ 39.4946, 0.3897,
0.4257

■ 35.3982, 0.4336,
0.4693

■ 41.0680, 0.3727,
0.4059

■ 34.2188, 0.4438,
0.4759

■ 42.7547, 0.3557,
0.3850

■ 33.1171, 0.4512,
0.4781

■ 44.5593, 0.3391,
0.3639

■ 32.8015, 0.4531,
0.4784

■ 46.4865, 0.3233,
0.3431

■ 48.5403, 0.3085,
0.3232

■ 50.7247, 0.2948,
0.3045

■ 53.0435, 0.2824,
0.2870

■ 55.5004, 0.2711,
0.2709

Harmonies

Analogous

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



38.0273, 0.4457, 0.4009



38.0273, 0.4060, 0.4435



38.0273, 0.3438, 0.4572

Triad

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



38.0273, 0.4060, 0.4435



38.0273, 0.1941, 0.2852



38.0273, 0.3390, 0.2554

Complementary

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



38.0273, 0.4060, 0.4435



13.6695, 0.2099, 0.1777

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.



38.0273, 0.2699, 0.2285



38.0273, 0.4060, 0.4435



38.0273, 0.1933, 0.2400

Square

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



38.0273, 0.4060, 0.4435



38.0273, 0.2227, 0.3544



38.0273, 0.2191, 0.2221



38.0273, 0.4072, 0.2978

Rectangle

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



38.0273, 0.4060, 0.4435



38.0273, 0.2984, 0.4403



38.0273, 0.2191, 0.2221



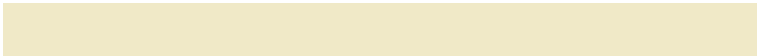
38.0273, 0.3148, 0.2444

Sweetspot

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



38.0291, 0.4060, 0.4435



80.7153, 0.3394, 0.3644



16.6688, 0.4507, 0.3032



17.2570, 0.3427, 0.3685



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.



38.0291, 0.4060, 0.4435



65.9880, 0.4237, 0.4610



41.3930, 0.3619, 0.4791



10.2346, 0.3268, 0.3478



22.7020, 0.4527, 0.4788



0.8703, 0.4427, 0.4867

Inverse Universe

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



13.6695, 0.2099, 0.1777



17.8630, 0.1884, 0.1418



12.5152, 0.2344, 0.1615



8.9614, 0.2984, 0.3095



3.1522, 0.1547, 0.0768



0.1883, 0.1666, 0.1196

Previews

White Background



This preview shows how the Yxy color 38.0273, 0.4060, 0.4435 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 38.0273, 0.4060, 0.4435 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

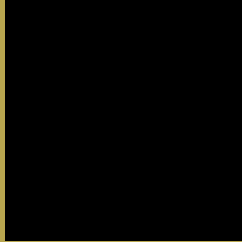
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 38.0273, 0.4060, 0.4435

Background



This preview shows how black text looks on a background with the Yxy color 38.0273, 0.4060, 0.4435.



This preview shows how white text looks on a background with the Yxy color 38.0273, 0.4060, 0.4435.

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

38.0273, 0.4060, 0.4435

Protanopia

38.0273, 0.4060, 0.4435

Deuteranopia

37.8852, 0.4311, 0.4230



Tritanopia

37.8106, 0.3371, 0.3132

Trichromacy



Original Color

38.0273, 0.4060, 0.4435

Protanomaly

38.0273, 0.4060, 0.4435

Deuteranomaly

37.9392, 0.4224, 0.4306

Tritanomaly

37.7380, 0.3643, 0.3618

Monochromacy



Original Color

38.0273, 0.4060, 0.4435

Achromatopsia

35.6400, 0.3127, 0.3290

Achromatomaly

36.2681, 0.3476, 0.3757

CSS Examples

Text

The CSS property to change the color of the text to Yxy 38.0273, 0.4060, 0.4435 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(184, 166, 79)` looks like.

```
.text, #text, p{  
    color:rgb(184, 166, 79)  
}
```

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(184, 166, 79) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(184, 166, 79) }
```

Border

The CSS property to change the border of an element to Yxy 38.0273, 0.4060, 0.4435 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(184, 166, 79) }
```

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

```
.border{ border-color:rgb(184, 166, 79) }
```

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

Here you see how a box with a 4 pixel `rgb(184, 166, 79)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(184, 166, 79); -webkit-box-  
shadow:4px 4px 4px 4px rgb(184, 166, 79);  
box-shadow:4px 4px 4px 4px rgb(184, 166,  
79) }
```


Background

The CSS property to change the background color of an element to Yxy 38.0273, 0.4060, 0.4435 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(184, 166, 79) }
```

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

```
.background{ background-color: rgb(184,  
166, 79) }
```

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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