

Converting Colors

$Yxy(38.0072, 0.2648, 0.4533)$

Have a look what the booklet for
Yxy(38.0072, 0.2648, 0.4533)
contains.

Yxy(38.1022, 0.2650, 0.4536)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(38.1022, 0.2650, 0.4536)

Conversions

Conversions Part 1

Format	Color
Hex	24BD77
RGB	36, 189, 119
RGB Percent	14%, 74%, 47%
CMY	0.8581, 0.2588, 0.5333
CMYK	0.81, 0.00, 0.37, 0.26
HSL	153°, 68%, 44%
HSV	153°, 81%, 74%
XYZ	22.2599, 38.1022, 23.6375
YIQ	135.2730, -68.7180, -54.2060

Conversions

Conversions Part 2

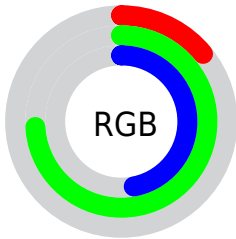
Format	Color
RYB	36, 135, 189
Decimal	2407799
CIELab	68.10, -54.28, 24.79
CIELCh	68, 59.676, 155.454
Yxy	38.1022, 0.2650, 0.4536
Android (android.graphics.Color)	4280597879 (0xFF24BD77)
YUV	135.2730, -8.0226, -87.0624
Hunter-Lab	61.7270, -43.6518, 20.5046

Details

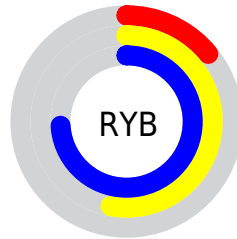
The Yxy color **38.1022, 0.2650, 0.4536** is a dark color, and the websafe version is hex **00CC99**. A complement of this color would be **13.1345, 0.4633, 0.2511**, and the grayscale version is **24.4046, 0.3127, 0.3290**.

A 20% lighter version of the original color is **72.0782, 0.2754, 0.4261**, and **17.4924, 0.2691, 0.4888** is the 20% darker color. If you saturate the color by 10%, you get **37.6486, 0.2661, 0.4711**, and if you desaturate by 10%, it is **38.7574, 0.2659, 0.4357**.

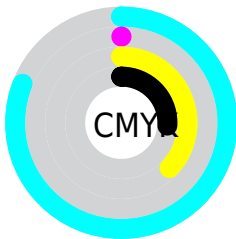
Distribution



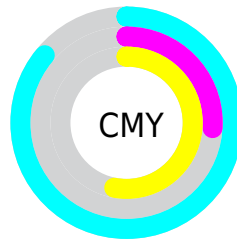
- Red (14%)
- Green (74%)
- Blue (47%)



- Red (14%)
- Yellow (53%)
- Blue (74%)



- Cyan (81%)
- Magenta (0%)
- Yellow (37%)
- Black (26%)





- Cyan (86%)
- Magenta (26%)
- Yellow (53%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 38.1022, 0.2650, 0.4536 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 38.1022, 0.2650, 0.4536 by changing the saturation by 10% instead.


 38.1022, 0.2650,
0.4536


 38.1022, 0.2650,
0.4536


338.0582, 0.2919,
0.3847

 26.0620, 0.2572,
0.4731


 72.2648, 0.2756,
0.4269


 16.8700, 0.2464,
0.4997


 95.1559, 0.2793,
0.4174

 10.1419, 0.2307,
0.5376


 122.4329, 0.2823,
0.4095

 5.4931, 0.2063,
0.5953

 154.4800, 0.2849,
0.4029

 2.5394, 0.1623,
0.7120

 191.6817, 0.2870,
0.3973

 0.8963, 0.0000,
1.0000

234.4224, 0.2889,

 0.0000, 0.0000,

0.3925

0.0000

283.0864, 0.2905,
0.3884

■ 38.1022, 0.2650,
0.4536

■ 38.1022, 0.2650,
0.4536

■ 37.6486, 0.2661,
0.4711

■ 38.7574, 0.2659,
0.4357

■ 37.3615, 0.2685,
0.4865

■ 39.6349, 0.2687,
0.4179

■ 40.7575, 0.2733,
0.4006

■ 42.1440, 0.2793,
0.3841

■ 43.8113, 0.2865,
0.3686

■ 45.7749, 0.2946,
0.3544

■ 48.0489, 0.3031,
0.3415

■ 50.6467, 0.3120,
0.3299

■ 53.5808, 0.3209,
0.3196

Harmonies

Analogous

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



38.1022, 0.3476, 0.4943



38.1022, 0.2650, 0.4536



38.1022, 0.2000, 0.3601

Triad

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



38.1022, 0.2650, 0.4536



38.1022, 0.1973, 0.1982



38.1022, 0.4836, 0.3488

Complementary

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



38.1022, 0.2650, 0.4536



13.1345, 0.4633, 0.2511

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.



38.1022, 0.4325, 0.2886



38.1022, 0.2650, 0.4536



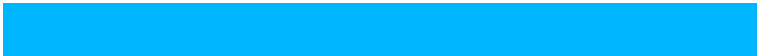
38.1022, 0.2581, 0.2065

Square

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



38.1022, 0.2650, 0.4536



38.1022, 0.1672, 0.2176



38.1022, 0.3445, 0.2385



38.1022, 0.4778, 0.4122

Rectangle

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



38.1022, 0.2650, 0.4536



38.1022, 0.1745, 0.2975



38.1022, 0.3445, 0.2385



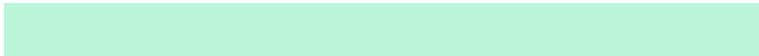
38.1022, 0.4726, 0.3281

Sweetspot

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



38.1037, 0.2650, 0.4536



80.6855, 0.2917, 0.3593



39.6781, 0.3405, 0.5483



17.0827, 0.2888, 0.3644



95.5105, 0.3127, 0.3290



19.5994, 0.3127, 0.3290

Same Dimension

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



38.1037, 0.2650, 0.4536



67.0105, 0.2682, 0.4841



38.2922, 0.2264, 0.3206



10.7338, 0.3044, 0.3397



25.1549, 0.2679, 0.4844



0.9984, 0.2565, 0.4434

Inverse Universe

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



13.1345, 0.4633, 0.2511



20.7989, 0.5101, 0.2599



12.5512, 0.5880, 0.3338



9.6071, 0.3218, 0.3185



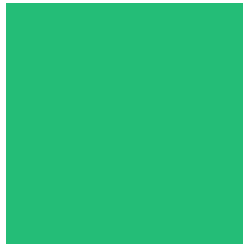
7.7524, 0.5110, 0.2589



0.3169, 0.4540, 0.2275

Previews

White Background



This preview shows how the Yxy color 38.1022, 0.2650, 0.4536 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 38.1022, 0.2650, 0.4536 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 38.1022, 0.2650, 0.4536

Background



This preview shows how black text looks on a background with the Yxy color 38.1022, 0.2650, 0.4536.



This preview shows how white text looks on a background with the Yxy color 38.1022, 0.2650, 0.4536.

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

38.1022, 0.2650, 0.4536

Protanopia

37.5981, 0.3771, 0.4074

Deuteranopia

37.2975, 0.3790, 0.3722



Tritanopia

38.0334, 0.2338, 0.3071

Trichromacy



Original Color

38.1022, 0.2650, 0.4536



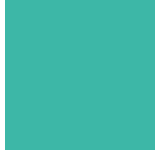
Protanomaly

35.9764, 0.3199, 0.4283



Deuteranomaly

35.0402, 0.3209, 0.4028



Tritanomaly

37.6491, 0.2438, 0.3554

Monochromacy



Original Color

38.1022, 0.2650, 0.4536



Achromatopsia

24.2281, 0.3127, 0.3290



Achromatomaly

27.6803, 0.2833, 0.3765

CSS Examples

Text

The CSS property to change the color of the text to Yxy 38.1022, 0.2650, 0.4536 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(36, 189, 119)` looks like.

```
.text, #text, p{  
    color:rgb(36, 189, 119)  
}
```

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(36, 189, 119) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(36, 189, 119) }
```

Border

The CSS property to change the border of an element to Yxy 38.1022, 0.2650, 0.4536 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(36, 189, 119) }
```

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

```
.border{ border-color:rgb(36, 189, 119) }
```

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

Here you see how a box with a 4 pixel `rgb(36, 189, 119)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(36, 189, 119); -webkit-box-  
shadow:4px 4px 4px 4px rgb(36, 189, 119);  
box-shadow:4px 4px 4px 4px rgb(36, 189,  
119) }
```


Background

The CSS property to change the background color of an element to Yxy 38.1022, 0.2650, 0.4536 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(36, 189, 119) }
```

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

```
.background{ background-color: rgb(36, 189,  
119) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor