

Converting Colors

$Yxy(38.6831, 0.2541, 0.4149)$

Have a look what the booklet for
Yxy(38.6831, 0.2541, 0.4149)
contains.

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Color

Yxy(38.7007, 0.2539, 0.4141)

Conversions

Conversions Part 1

Format	Color
Hex	26BD8C
RGB	38, 189, 140
RGB Percent	15%, 74%, 55%
CMY	0.8511, 0.2588, 0.4510
CMYK	0.80, 0.00, 0.26, 0.26
HSL	161°, 67%, 45%
HSV	161°, 80%, 74%
XYZ	23.7288, 38.7007, 31.0278
YIQ	138.2650, -74.2670, -47.2510

Conversions

Conversions Part 2

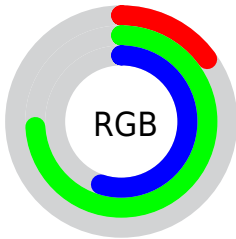
Format	Color
RYB	38, 128, 189
Decimal	2538892
CIELab	68.53, -49.54, 14.14
CIElCh	69, 51.513, 164.072
Yxy	38.7007, 0.2539, 0.4141
Android (android.graphics.Color)	4280728972 (0xFF26BD8C)
YUV	138.2650, 0.8554, -87.9324
Hunter-Lab	62.2099, -40.7817, 13.9754

Details

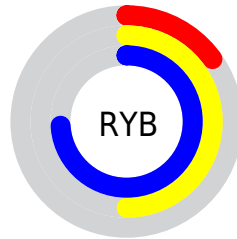
The Yxy color **38.7007, 0.2539, 0.4141** is a dark color, and the websafe version is hex **33CC99**. A complement of this color would be **12.8907, 0.5026, 0.2769**, and the grayscale version is **25.5358, 0.3127, 0.3290**.

A 20% lighter version of the original color is **73.0578, 0.2654, 0.3957**, and **17.7884, 0.2547, 0.4369** is the 20% darker color. If you saturate the color by 10%, you get **38.2541, 0.2537, 0.4264**, and if you desaturate by 10%, it is **39.3427, 0.2560, 0.4017**.

Distribution



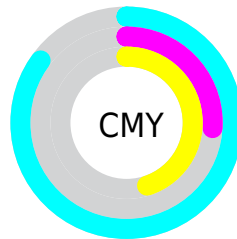
- Red (15%)
- Green (74%)
- Blue (55%)



- Red (15%)
- Yellow (50%)
- Blue (74%)



- Cyan (80%)
- Magenta (0%)
- Yellow (26%)
- Black (26%)



- Cyan (85%)
- Magenta (26%)
- Yellow (45%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 38.7007, 0.2539, 0.4141 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 38.7007, 0.2539, 0.4141 by changing the saturation by 10% instead.


 38.7007, 0.2539,
0.4141


 38.7007, 0.2539,
0.4141

340.6163, 0.2851,
0.3680


 26.5270, 0.2455,
0.4269

 73.1809, 0.2657,
0.3965


 17.2183, 0.2343,
0.4440


 96.2561, 0.2700,
0.3901

 10.3902, 0.2189,
0.4683


 123.7339, 0.2736,
0.3848

 5.6585, 0.1961,
0.5052

 155.9988, 0.2766,
0.3804

 2.6385, 0.1592,
0.5670

 193.4351, 0.2792,
0.3766

 0.9461, 0.0000,
0.9591

236.4272, 0.2814,

 0.0000, 0.0000,

0.3734

0.0000

285.3594, 0.2834,
0.3705

■ 38.7007, 0.2539,
0.4141

■ 38.7007, 0.2539,
0.4141

■ 38.2541, 0.2537,
0.4264

■ 39.3427, 0.2560,
0.4017

■ 37.9501, 0.2552,
0.4386

■ 40.1998, 0.2601,
0.3895

■ 37.9477, 0.2552,
0.4387

■ 41.2945, 0.2660,
0.3777

■ 42.6450, 0.2735,
0.3664

■ 44.2676, 0.2821,
0.3558

■ 46.1776, 0.2918,
0.3460

■ 48.3886, 0.3021,
0.3370

■ 50.9138, 0.3128,
0.3289

■ 53.7653, 0.3237,
0.3217

Harmonies

Analogous

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



38.7007, 0.3242, 0.4654



38.7007, 0.2539, 0.4141



38.7007, 0.2032, 0.3328

Triad

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



38.7007, 0.2539, 0.4141



38.7007, 0.2244, 0.2133



38.7007, 0.4641, 0.3653

Complementary

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



38.7007, 0.2539, 0.4141



12.8907, 0.5026, 0.2769

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.



38.7007, 0.4328, 0.3097



38.7007, 0.2539, 0.4141



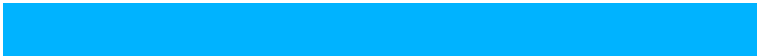
38.7007, 0.2858, 0.2270

Square

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



38.7007, 0.2539, 0.4141



38.7007, 0.1891, 0.2241



38.7007, 0.3637, 0.2611



38.7007, 0.4479, 0.4204

Rectangle

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



38.7007, 0.2539, 0.4141



38.7007, 0.1855, 0.2836



38.7007, 0.3637, 0.2611



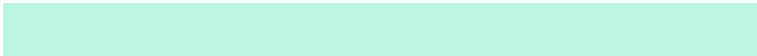
38.7007, 0.4590, 0.3464

Sweetspot

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



38.7022, 0.2539, 0.4141



81.1055, 0.2874, 0.3503



38.6270, 0.3260, 0.5572



17.1842, 0.2840, 0.3538



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.



38.7022, 0.2539, 0.4141



68.0947, 0.2549, 0.4357



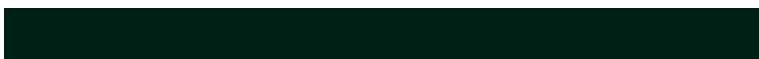
30.5761, 0.2178, 0.2867



10.7554, 0.3027, 0.3366



25.5452, 0.2548, 0.4372



1.0121, 0.2467, 0.4080

Inverse Universe

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



12.8907, 0.5026, 0.2769



20.2617, 0.5602, 0.2883



14.5289, 0.5630, 0.3538



9.5860, 0.3239, 0.3216



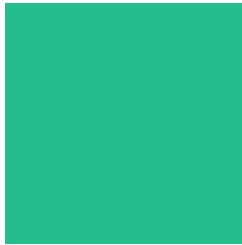
7.5209, 0.5644, 0.2883



0.3069, 0.4952, 0.2502

Previews

White Background



This preview shows how the Yxy color 38.7007, 0.2539, 0.4141 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 38.7007, 0.2539, 0.4141 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

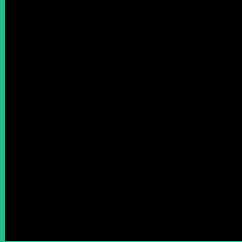
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 38.7007, 0.2539, 0.4141

Background



This preview shows how black text looks on a background with the Yxy color 38.7007, 0.2539, 0.4141.



This preview shows how white text looks on a background with the Yxy color 38.7007, 0.2539, 0.4141.

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

38.7007, 0.2539, 0.4141

Protanopia

38.2045, 0.3566, 0.3813

Deuteranopia

38.0358, 0.3546, 0.3481



Tritanopia

38.7435, 0.2317, 0.3072

Trichromacy



Original Color

38.7007, 0.2539, 0.4141



Protanomaly

36.4012, 0.3037, 0.3952



Deuteranomaly

36.2078, 0.3020, 0.3715



Tritanomaly

38.7321, 0.2388, 0.3434

Monochromacy



Original Color

38.7007, 0.2539, 0.4141



Achromatopsia

25.4152, 0.3127, 0.3290



Achromatomaly

28.8028, 0.2781, 0.3609

CSS Examples

Text

The CSS property to change the color of the text to Yxy 38.7007, 0.2539, 0.4141 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(38, 189, 140)` looks like.

```
.text, #text, p{  
    color:rgb(38, 189, 140)  
}
```

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(38, 189, 140) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(38, 189, 140) }
```

Border

The CSS property to change the border of an element to Yxy 38.7007, 0.2539, 0.4141 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(38, 189, 140) }
```

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

```
.border{ border-color:rgb(38, 189, 140) }
```

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

Here you see how a box with a 4 pixel `rgb(38, 189, 140)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(38, 189, 140); -webkit-box-shadow:4px 4px 4px 4px rgb(38, 189, 140); box-shadow:4px 4px 4px 4px rgb(38, 189, 140) }
```


Background

The CSS property to change the background color of an element to Yxy 38.7007, 0.2539, 0.4141 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(38, 189, 140) }
```

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

```
.background{ background-color: rgb(38, 189,  
140) }
```

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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