

Converting Colors

$Yxy(38.7283, 0.2634, 0.4283)$

Have a look what the booklet for
Yxy(38.7283, 0.2634, 0.4283)
contains.

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Color

Yxy(38.8454, 0.2630, 0.4278)

Conversions

Conversions Part 1

| Format | Color |
|-------------|------------------------------|
| Hex | 36BD84 |
| RGB | 54, 189, 132 |
| RGB Percent | 21%, 74%, 52% |
| CMY | 0.7886, 0.2588, 0.4823 |
| CMYK | 0.71, 0.00, 0.30, 0.26 |
| HSL | 155°, 56%, 48% |
| HSV | 155°, 71%, 74% |
| XYZ | 23.8811, 38.8454, 28.0762 |
| YIQ | 142.1370, -62.1630, -46.3470 |

Conversions

Conversions Part 2

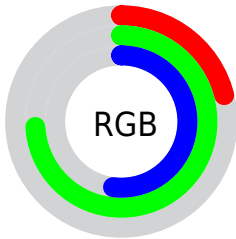
| Format | Color |
|-------------------------------------|--------------------------------|
| RYB | 54, 140, 189 |
| Decimal | 3587460 |
| CIELab | 68.64, -49.32, 18.63 |
| CIELCh | 69, 52.719, 159.304 |
| Yxy | 38.8454, 0.2630, 0.4278 |
| Android (android.graphics.Color) | 4281777540 (0xFF36BD84) |
| YUV | 142.1370, -4.9975, -77.2961 |
| Hunter-Lab | 62.3261, -40.6759, 16.9197 |

Details

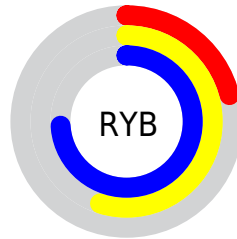
The Yxy color **38.8454, 0.2630, 0.4278** is a dark color, and the websafe version is hex **33CC99**. A complement of this color would be **14.5952, 0.4473, 0.2594**, and the grayscale version is **27.1372, 0.3127, 0.3290**.

A 20% lighter version of the original color is **73.2659, 0.2734, 0.4073**, and **17.6594, 0.2605, 0.4579** is the 20% darker color. If you saturate the color by 10%, you get **38.2126, 0.2620, 0.4442**, and if you desaturate by 10%, it is **39.7010, 0.2660, 0.4115**.

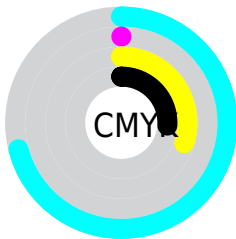
Distribution



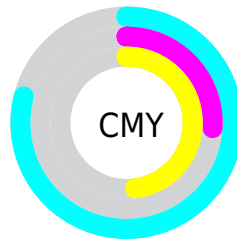
- Red (21%)
- Green (74%)
- Blue (52%)



- Red (21%)
- Yellow (55%)
- Blue (74%)



- Cyan (71%)
- Magenta (0%)
- Yellow (30%)
- Black (26%)




- Cyan (79%)
- Magenta (26%)
- Yellow (48%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 38.8454, 0.2630, 0.4278 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 38.8454, 0.2630, 0.4278 by changing the saturation by 10% instead.


 38.8454, 0.2630,
0.4278


 38.8454, 0.2630,
0.4278


341.2328, 0.2900,
0.3739


 26.6395, 0.2555,
0.4429

 73.4021, 0.2734,
0.4071


 17.3026, 0.2454,
0.4632


 96.5216, 0.2771,
0.3996

 10.4505, 0.2312,
0.4922


 124.0479, 0.2802,
0.3935

 5.6987, 0.2096,
0.5362

 156.3651, 0.2827,
0.3883

 2.6627, 0.1735,
0.6101

 193.8579, 0.2850,
0.3839

 0.9583, 0.0000,
1.0000

236.9105, 0.2869,

 0.0000, 0.0000,

0.3801

0.0000

285.9073, 0.2885,
0.3768

■ 38.8454, 0.2630,
0.4278

■ 38.8454, 0.2630,
0.4278

■ 38.2126, 0.2620,
0.4442

■ 39.7010, 0.2660,
0.4115

■ 37.7725, 0.2629,
0.4604

■ 40.7962, 0.2708,
0.3956

■ 37.5089, 0.2649,
0.4738

■ 42.1513, 0.2771,
0.3804

■ 43.7832, 0.2846,
0.3662

■ 45.7073, 0.2930,
0.3532

■ 47.9379, 0.3020,
0.3412

■ 50.4882, 0.3113,
0.3305

■ 53.3708, 0.3208,
0.3209

■ 56.5975, 0.3302,
0.3124

Harmonies

Analogous

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



38.8454, 0.3362, 0.4717



38.8454, 0.2630, 0.4278



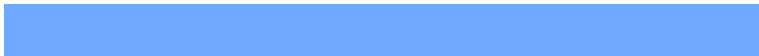
38.8454, 0.2073, 0.3460

Triad

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



38.8454, 0.2630, 0.4278



38.8454, 0.2151, 0.2111



38.8454, 0.4656, 0.3564

Complementary

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



38.8454, 0.2630, 0.4278



14.5952, 0.4473, 0.2594

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.



38.8454, 0.4262, 0.3006



38.8454, 0.2630, 0.4278



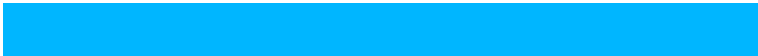
38.8454, 0.2736, 0.2214

Square

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



38.8454, 0.2630, 0.4278



38.8454, 0.1837, 0.2262



38.8454, 0.3518, 0.2531



38.8454, 0.4561, 0.4133

Rectangle

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



38.8454, 0.2630, 0.4278



38.8454, 0.1861, 0.2933



38.8454, 0.3518, 0.2531



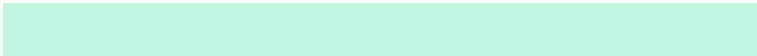
38.8454, 0.4578, 0.3373

Sweetspot

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



38.8470, 0.2630, 0.4278



81.9069, 0.2931, 0.3530



40.1386, 0.3386, 0.5308



17.3973, 0.2907, 0.3565



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.



38.8470, 0.2630, 0.4278



67.9288, 0.2623, 0.4538



37.0993, 0.2290, 0.3144



10.7396, 0.3040, 0.3389



25.2503, 0.2644, 0.4718



1.0019, 0.2538, 0.4337

Inverse Universe

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



14.5952, 0.4473, 0.2594



21.9681, 0.4939, 0.2599



14.6311, 0.5432, 0.3393



9.6014, 0.3224, 0.3194



7.6808, 0.5260, 0.2671



0.3140, 0.4650, 0.2335

Previews

White Background



This preview shows how the Yxy color 38.8454, 0.2630, 0.4278 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 38.8454, 0.2630, 0.4278 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

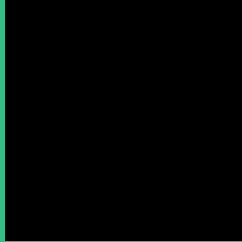
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 38.8454, 0.2630, 0.4278

Background



This preview shows how black text looks on a background with the Yxy color 38.8454, 0.2630, 0.4278.



This preview shows how white text looks on a background with the Yxy color 38.8454, 0.2630, 0.4278.

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

38.8454, 0.2630, 0.4278

Protanopia

38.1426, 0.3640, 0.3910

Deuteranopia

38.2122, 0.3644, 0.3574



Tritanopia

38.7826, 0.2357, 0.3059

Trichromacy



Original Color

38.8454, 0.2630, 0.4278



Protanomaly

36.7650, 0.3152, 0.4055



Deuteranomaly

36.6542, 0.3155, 0.3834



Tritanomaly

38.6377, 0.2447, 0.3466

Monochromacy



Original Color

38.8454, 0.2630, 0.4278



Achromatopsia

27.0498, 0.3127, 0.3290



Achromatomaly

29.9462, 0.2857, 0.3654

CSS Examples

Text

The CSS property to change the color of the text to Yxy 38.8454, 0.2630, 0.4278 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(54, 189, 132)` looks like.

```
.text, #text, p{  
    color:rgb(54, 189, 132)  
}
```

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(54, 189, 132) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(54, 189, 132) }
```

Border

The CSS property to change the border of an element to Yxy 38.8454, 0.2630, 0.4278 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(54, 189, 132) }
```

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

```
.border{ border-color:rgb(54, 189, 132) }
```

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

Here you see how a box with a 4 pixel `rgb(54, 189, 132)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(54, 189, 132); -webkit-box-  
shadow:4px 4px 4px 4px rgb(54, 189, 132);  
box-shadow:4px 4px 4px 4px rgb(54, 189,  
132) }
```


Background

The CSS property to change the background color of an element to Yxy 38.8454, 0.2630, 0.4278 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(54, 189, 132) }
```

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

```
.background{ background-color: rgb(54, 189,  
132) }
```

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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