

Converting Colors

$Yxy(38.3272, 0.2534, 0.3774)$

Have a look what the booklet for
Yxy(38.3272, 0.2534, 0.3774)
contains.

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Color

Yxy(38.3272, 0.2534, 0.3774)

Conversions

Conversions Part 1

Format	Color
Hex	44B99C
RGB	68, 185, 156
RGB Percent	27%, 73%, 61%
CMY	0.7333, 0.2745, 0.3882
CMYK	0.63, 0.00, 0.16, 0.27
HSL	165°, 46%, 50%
HSV	165°, 63%, 73%
XYZ	25.7343, 38.3272, 37.4944
YIQ	146.7110, -60.4230, -33.8230

Conversions

Conversions Part 2

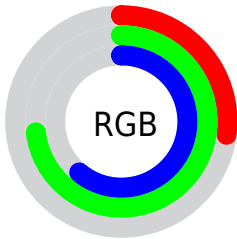
Format	Color
RYB	68, 135, 185
Decimal	4503964
CIELab	68.26, -39.73, 5.09
CIELCh	68, 40.054, 172.694
Yxy	38.3272, 0.2534, 0.3774
Android (android.graphics.Color)	4282694044 (0xFF44B99C)
YUV	146.7110, 4.5795, -69.0295
Hunter-Lab	61.9090, -34.1420, 7.4280

Details

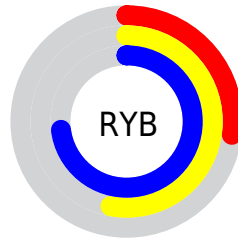
The Yxy color **38.3272, 0.2534, 0.3774** is a dark color, and the websafe version is hex **66CC99**. A complement of this color would be **15.3140, 0.4613, 0.2915**, and the grayscale version is **29.0538, 0.3127, 0.3290**.

A 20% lighter version of the original color is **72.7466, 0.2650, 0.3687**, and **17.2525, 0.2421, 0.3916** is the 20% darker color. If you saturate the color by 10%, you get **37.6126, 0.2493, 0.3865**, and if you desaturate by 10%, it is **39.2605, 0.2593, 0.3685**.

Distribution



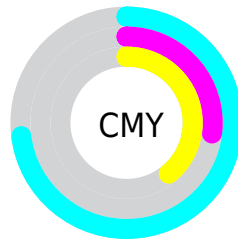
- Red (27%)
- Green (73%)
- Blue (61%)



- Red (27%)
- Yellow (53%)
- Blue (73%)



- Cyan (63%)
- Magenta (0%)
- Yellow (16%)
- Black (27%)





- Cyan (73%)
- Magenta (27%)
- Yellow (39%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 38.3272, 0.2534, 0.3774 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 38.3272, 0.2534, 0.3774 by changing the saturation by 10% instead.


 38.3272, 0.2534,
0.3774


 38.3272, 0.2534,
0.3774


339.0215, 0.2841,
0.3519

 26.2367, 0.2454,
0.3842


 72.6094, 0.2648,
0.3678


 17.0008, 0.2349,
0.3933


 95.5699, 0.2690,
0.3643

 10.2351, 0.2206,
0.4058


 122.9225, 0.2726,
0.3614

 5.5551, 0.2002,
0.4243

 155.0517, 0.2756,
0.3589

 2.5765, 0.1686,
0.4541

 192.3418, 0.2782,
0.3568

 0.9149, 0.0000,
0.5885

235.1772, 0.2804,

 0.0000, 0.0000,

0.3549

0.0000

283.9423, 0.2824,
0.3533

■ 38.3272, 0.2534,
0.3774

■ 38.3272, 0.2534,
0.3774

■ 37.6126, 0.2493,
0.3865

■ 39.2605, 0.2593,
0.3685

■ 37.0916, 0.2472,
0.3957

■ 40.4260, 0.2670,
0.3599

■ 36.7411, 0.2469,
0.4049

■ 41.8412, 0.2760,
0.3518

■ 36.5671, 0.2475,
0.4110

■ 43.5206, 0.2862,
0.3443

■ 45.4777, 0.2973,
0.3373

■ 47.7251, 0.3089,
0.3309

■ 50.2744, 0.3208,
0.3252

■ 53.1368, 0.3329,
0.3201

■ 56.3229, 0.3449,
0.3155

Harmonies

Analogous

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



38.3272, 0.3070, 0.4254



38.3272, 0.2534, 0.3774



38.3272, 0.2178, 0.3161

Triad

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



38.3272, 0.2534, 0.3774



38.3272, 0.2549, 0.2366



38.3272, 0.4319, 0.3742

Complementary

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



38.3272, 0.2534, 0.3774



15.3140, 0.4613, 0.2915

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.



38.3272, 0.4170, 0.3281



38.3272, 0.2534, 0.3774



38.3272, 0.3093, 0.2529

Square

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



38.3272, 0.2534, 0.3774



38.3272, 0.2190, 0.2404



38.3272, 0.3702, 0.2853



38.3272, 0.4115, 0.4152

Rectangle

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



38.3272, 0.2534, 0.3774



38.3272, 0.2073, 0.2810



38.3272, 0.3702, 0.2853



38.3272, 0.4310, 0.3589

Sweetspot

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



38.3287, 0.2534, 0.3774



79.2581, 0.2905, 0.3415



37.6722, 0.3219, 0.5194



16.8795, 0.2874, 0.3435



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.



38.3287, 0.2534, 0.3774



66.9486, 0.2482, 0.3902



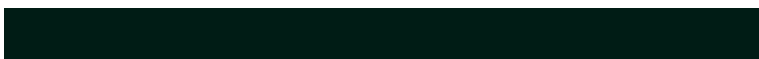
28.4273, 0.2263, 0.2798



10.1716, 0.3017, 0.3347



24.9103, 0.2472, 0.4099



0.8874, 0.2407, 0.3864

Inverse Universe

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



15.3140, 0.4613, 0.2915



22.4245, 0.5152, 0.2906



19.3300, 0.4824, 0.3679



9.0478, 0.3250, 0.3234



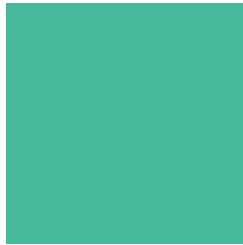
7.1667, 0.5906, 0.3027



0.2628, 0.5162, 0.2617

Previews

White Background



This preview shows how the Yxy color 38.3272, 0.2534, 0.3774 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 38.3272, 0.2534, 0.3774 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

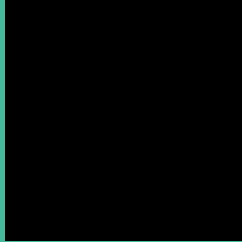
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 38.3272, 0.2534, 0.3774

Background



This preview shows how black text looks on a background with the Yxy color 38.3272, 0.2534, 0.3774.

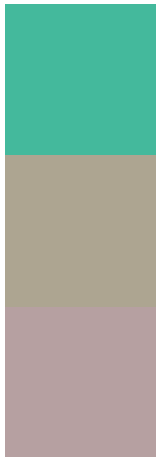


This preview shows how white text looks on a background with the Yxy color 38.3272, 0.2534, 0.3774.

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

38.3272, 0.2534, 0.3774

Protanopia

37.8388, 0.3382, 0.3575

Deuteranopia

37.6599, 0.3332, 0.3277



Tritanopia

38.3766, 0.2372, 0.3073

Trichromacy



Original Color

38.3272, 0.2534, 0.3774



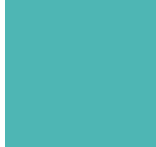
Protanomaly

36.8259, 0.2989, 0.3648



Deuteranomaly

36.5419, 0.2960, 0.3442



Tritanomaly

38.3709, 0.2432, 0.3320

Monochromacy



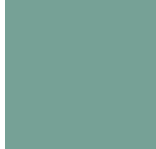
Original Color

38.3272, 0.2534, 0.3774



Achromatopsia

29.1771, 0.3127, 0.3290



Achromatomaly

31.5433, 0.2831, 0.3472

CSS Examples

Text

The CSS property to change the color of the text to Yxy 38.3272, 0.2534, 0.3774 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(68, 185, 156)` looks like.

```
.text, #text, p{  
    color:rgb(68, 185, 156)  
}
```

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(68, 185, 156) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(68, 185, 156) }
```

Border

The CSS property to change the border of an element to Yxy 38.3272, 0.2534, 0.3774 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(68, 185, 156) }
```

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

```
.border{ border-color:rgb(68, 185, 156) }
```

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

Here you see how a box with a 4 pixel `rgb(68, 185, 156)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(68, 185, 156); -webkit-box-  
shadow:4px 4px 4px 4px rgb(68, 185, 156);  
box-shadow:4px 4px 4px 4px rgb(68, 185,  
156) }
```


Background

The CSS property to change the background color of an element to Yxy 38.3272, 0.2534, 0.3774 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(68, 185, 156) }
```

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

```
.background{ background-color: rgb(68, 185,  
156) }
```

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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