

Converting Colors

$Yxy(38.6737, 0.2699, 0.3642)$

Have a look what the booklet for
Yxy(38.6737, 0.2699, 0.3642)
contains.

Yxy(38.5542, 0.2701, 0.3641)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(38.5542, 0.2701, 0.3641)

Conversions

Conversions Part 1

Format	Color
Hex	69B59F
RGB	105, 181, 159
RGB Percent	41%, 71%, 62%
CMY	0.5885, 0.2901, 0.3765
CMYK	0.42, 0.00, 0.12, 0.29
HSL	163°, 34%, 56%
HSV	163°, 42%, 71%
XYZ	28.6006, 38.5542, 38.7342
YIQ	155.7680, -38.2340, -22.9540

Conversions

Conversions Part 2

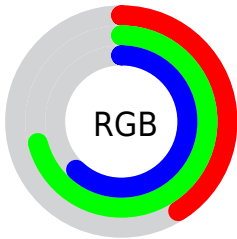
Format	Color
RYB	105, 149, 181
Decimal	6927775
CIELab	68.43, -28.86, 3.85
CIELCh	68, 29.111, 172.397
Yxy	38.5542, 0.2701, 0.3641
Android (android.graphics.Color)	4285117855 (0xFF69B59F)
YUV	155.7680, 1.5934, -44.5235
Hunter-Lab	62.0920, -26.4410, 6.4782

Details

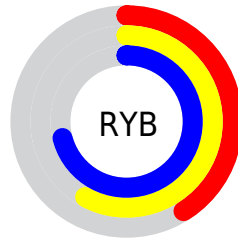
The Yxy color **38.5542, 0.2701, 0.3641** is a dark color, and the websafe version is hex **66CCCC**. A complement of this color would be **21.4441, 0.3874, 0.2974**, and the grayscale version is **33.1355, 0.3127, 0.3290**.

A 20% lighter version of the original color is **72.8970, 0.2783, 0.3565**, and **17.2249, 0.2569, 0.3752** is the 20% darker color. If you saturate the color by 10%, you get **37.3968, 0.2627, 0.3741**, and if you desaturate by 10%, it is **39.9557, 0.2789, 0.3546**.

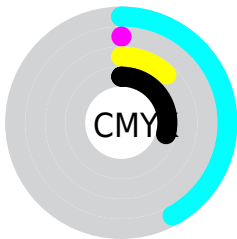
Distribution



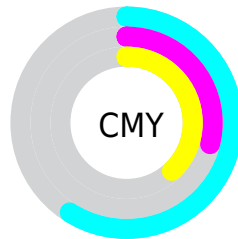
- Red (41%)
- Green (71%)
- Blue (62%)



- Red (41%)
- Yellow (58%)
- Blue (71%)



- Cyan (42%)
- Magenta (0%)
- Yellow (12%)
- Black (29%)





- Cyan (59%)
- Magenta (29%)
- Yellow (38%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 38.5542, 0.2701, 0.3641 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 38.5542, 0.2701, 0.3641 by changing the saturation by 10% instead.


 38.5542, 0.2701,
0.3641


 38.5542, 0.2701,
0.3641


339.9914, 0.2922,
0.3457

 26.4131, 0.2643,
0.3690


 72.9568, 0.2783,
0.3572

 17.1329, 0.2568,
0.3755


 95.9871, 0.2813,
0.3547

 10.3293, 0.2465,
0.3844


 123.4159, 0.2839,
0.3526

 5.6178, 0.2315,
0.3976

 155.6276, 0.2860,
0.3508

 2.6141, 0.2081,
0.4189

193.0066, 0.2879,
0.3492

 0.9338, 0.0979,
0.5013

235.9373, 0.2895,

 0.0000, 0.0000,

0.3479

0.0000

284.8041, 0.2909,
0.3467

■ 38.5542, 0.2701,
0.3641

■ 38.5542, 0.2701,
0.3641

■ 37.3968, 0.2627,
0.3741

■ 39.9557, 0.2789,
0.3546

■ 36.4637, 0.2568,
0.3846

■ 41.6102, 0.2887,
0.3458

■ 35.7397, 0.2528,
0.3954


■ 43.5321, 0.2993,
0.3377

■ 35.2057, 0.2508,
0.4063


■ 45.7331, 0.3104,
0.3304


■ 34.8389, 0.2507,
0.4171

■ 48.2243, 0.3218,
0.3238

 34.6293, 0.2516,
0.4257

 51.0162, 0.3332,
0.3179

 54.1188, 0.3445,
0.3127

 57.5415, 0.3555,
0.3081

 58.7767, 0.3555,
0.3031

Harmonies

Analogous

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



38.5542, 0.3102, 0.3972



38.5542, 0.2701, 0.3641



38.5542, 0.2425, 0.3213

Triad

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



38.5542, 0.2701, 0.3641



38.5542, 0.2700, 0.2596



38.5542, 0.3994, 0.3642

Complementary

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



38.5542, 0.2701, 0.3641



21.4441, 0.3874, 0.2974

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.



38.5542, 0.3878, 0.3294



38.5542, 0.2701, 0.3641



38.5542, 0.3105, 0.2717

Square

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



38.5542, 0.2701, 0.3641



38.5542, 0.2427, 0.2636



38.5542, 0.3543, 0.2965



38.5542, 0.3859, 0.3934

Rectangle

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



38.5542, 0.2701, 0.3641



38.5542, 0.2340, 0.2956



38.5542, 0.3543, 0.2965



38.5542, 0.3984, 0.3528

Sweetspot

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



38.5557, 0.2701, 0.3641



77.5183, 0.2980, 0.3387



38.6422, 0.3252, 0.4498



16.5859, 0.2957, 0.3404



91.1408, 0.3127, 0.3290



17.8868, 0.3127, 0.3290

Same Dimension

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



38.5557, 0.2701, 0.3641



67.1917, 0.2635, 0.3729



33.5342, 0.2523, 0.3048



9.5888, 0.3023, 0.3357



23.8808, 0.2512, 0.4244



0.7609, 0.2429, 0.3944

Inverse Universe

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



21.4441, 0.3874, 0.2974



32.6289, 0.4119, 0.2913



24.3112, 0.4096, 0.3514



8.5444, 0.3243, 0.3224



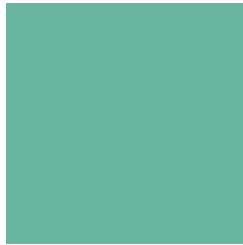
6.9562, 0.5764, 0.2949



0.2293, 0.4958, 0.2505

Previews

White Background



This preview shows how the Yxy color 38.5542, 0.2701, 0.3641 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 38.5542, 0.2701, 0.3641 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

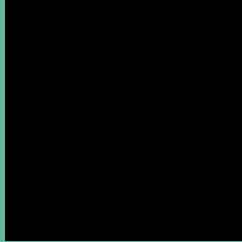
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 38.5542, 0.2701, 0.3641

Background



This preview shows how black text looks on a background with the Yxy color 38.5542, 0.2701, 0.3641.

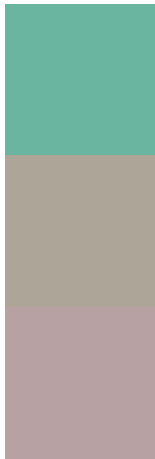


This preview shows how white text looks on a background with the Yxy color 38.5542, 0.2701, 0.3641.

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

38.5542, 0.2701, 0.3641

Protanopia

38.0289, 0.3328, 0.3489

Deuteranopia

38.2014, 0.3322, 0.3263



Tritanopia

38.3230, 0.2538, 0.3064

Trichromacy



Original Color

38.5542, 0.2701, 0.3641

Protanomaly

37.7548, 0.3062, 0.3545

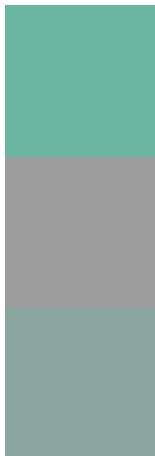
Deuteranomaly

37.5825, 0.3059, 0.3378

Tritanomaly

38.4105, 0.2598, 0.3273

Monochromacy



Original Color

38.5542, 0.2701, 0.3641

Achromatopsia

33.2452, 0.3127, 0.3290

Achromatomaly

34.6630, 0.2941, 0.3414

CSS Examples

Text

The CSS property to change the color of the text to Yxy 38.5542, 0.2701, 0.3641 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(105, 181, 159)` looks like.

```
.text, #text, p{  
    color:rgb(105, 181, 159)  
}
```

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(105, 181, 159) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(105, 181, 159) }
```

Border

The CSS property to change the border of an element to Yxy 38.5542, 0.2701, 0.3641 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(105, 181, 159) }
```

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

```
.border{ border-color:rgb(105, 181, 159) }
```

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

Here you see how a box with a 4 pixel `rgb(105, 181, 159)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(105, 181, 159); -webkit-box-  
shadow:4px 4px 4px 4px rgb(105, 181, 159);  
box-shadow:4px 4px 4px 4px rgb(105, 181,  
159) }
```


Background

The CSS property to change the background color of an element to Yxy 38.5542, 0.2701, 0.3641 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(105, 181, 159) }
```

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

```
.background{ background-color: rgb(105,  
181, 159) }
```

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