

Converting Colors

$Y_{xy}(40.7675, 0.2946, 0.3481)$

Have a look what the booklet for
Yxy(40.7675, 0.2946, 0.3481)
contains.

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Color

Yxy(40.5771, 0.2950, 0.3481)

Conversions

Conversions Part 1

Format	Color
Hex	91B2A5
RGB	145, 178, 165
RGB Percent	57%, 70%, 65%
CMY	0.4313, 0.3019, 0.3531
CMYK	0.19, 0.00, 0.07, 0.30
HSL	156°, 18%, 63%
HSV	156°, 19%, 70%
XYZ	34.3874, 40.5771, 41.6029
YIQ	166.6510, -15.4950, -11.0390

Conversions

Conversions Part 2

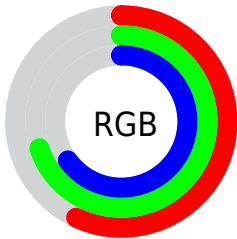
Format	Color
RYB	145, 166, 178
Decimal	9548453
CIELab	69.88, -13.89, 2.94
CIElCh	70, 14.195, 168.052
Yxy	40.5771, 0.2950, 0.3481
Android (android.graphics.Color)	4287738533 (0xFF91B2A5)
YUV	166.6510, -0.8139, -18.9879
Hunter-Lab	63.7002, -15.1153, 5.8675

Details

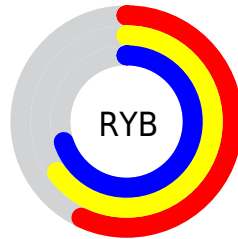
The Yxy color $40.5771, 0.2950, 0.3481$ is a light color, and the websafe version is hex `99CCCC`. A complement of this color would be $32.1882, 0.3346, 0.3107$, and the grayscale version is $38.4750, 0.3127, 0.3290$.

A 20% lighter version of the original color is $76.1551, 0.2982, 0.3446$, and $18.2392, 0.2898, 0.3540$ is the 20% darker color. If you saturate the color by 10%, you get $38.8373, 0.2861, 0.3599$, and if you desaturate by 10%, it is $42.5877, 0.3044, 0.3373$.

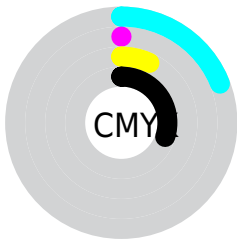
Distribution



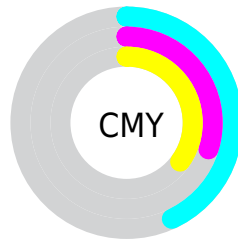
- Red (57%)
- Green (70%)
- Blue (65%)



- Red (57%)
- Yellow (65%)
- Blue (70%)



- Cyan (19%)
- Magenta (0%)
- Yellow (7%)
- Black (30%)





- Cyan (43%)
- Magenta (30%)
- Yellow (35%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 40.5771, 0.2950, 0.3481 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 40.5771, 0.2950, 0.3481 by changing the saturation by 10% instead.


 40.5771, 0.2950,
0.3481


 40.5771, 0.2950,
0.3481


348.5500, 0.3041,
0.3382

 27.9888, 0.2926,
0.3507


 76.0415, 0.2984,
0.3444

 18.3172, 0.2895,
0.3541


 99.6864, 0.2996,
0.3431

 11.1780, 0.2853,
0.3587


127.7856, 0.3007,
0.3419

 6.1867, 0.2792,
0.3655

160.7235, 0.3016,
0.3410

 2.9589, 0.2697,
0.3763

198.8845, 0.3023,
0.3401

 1.1103, 0.2505,
0.3971

242.6530, 0.3030,

 0.0000, 0.0000,

0.3394

0.0000

292.4133, 0.3036,
0.3388

■ 40.5771, 0.2950,
0.3481

■ 40.5771, 0.2950,
0.3481

■ 38.8373, 0.2861,
0.3599

■ 42.5877, 0.3044,
0.3373

■ 37.3513, 0.2780,
0.3728

■ 44.8753, 0.3141,
0.3277

■ 36.1079, 0.2711,
0.3866

■ 47.4520, 0.3240,
0.3190

■ 35.0928, 0.2656,
0.4011

■ 50.3280, 0.3337,
0.3113

■ 34.2906, 0.2618,
0.4162

■ 53.5128, 0.3432,
0.3046

■ 33.6836, 0.2599,
0.4314

■ 57.0154, 0.3525,
0.2987

■ 33.2512, 0.2600,
0.4466

■ 57.9675, 0.3491,
0.2919

■ 32.9580, 0.2618,
0.4614

■ 58.3350, 0.3432,
0.2850

■ 32.9192, 0.2621,
0.4636

■ 58.7181, 0.3373,
0.2782

Harmonies

Analogous

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



40.5771, 0.3153, 0.3618



40.5771, 0.2950, 0.3481



40.5771, 0.2798, 0.3291

Triad

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



40.5771, 0.2950, 0.3481



40.5771, 0.2897, 0.2942



40.5771, 0.3539, 0.3451

Complementary

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



40.5771, 0.2950, 0.3481



32.1882, 0.3346, 0.3107

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.



40.5771, 0.3466, 0.3276



40.5771, 0.2950, 0.3481



40.5771, 0.3091, 0.2989

Square

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



40.5771, 0.2950, 0.3481



40.5771, 0.2768, 0.2983



40.5771, 0.3300, 0.3109



40.5771, 0.3497, 0.3592

Rectangle

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



40.5771, 0.2950, 0.3481



40.5771, 0.2743, 0.3164



40.5771, 0.3300, 0.3109



40.5771, 0.3527, 0.3394

Sweetspot

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



40.5788, 0.2950, 0.3481



78.1877, 0.3068, 0.3349



41.1774, 0.3220, 0.3770



17.2657, 0.3062, 0.3355



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.



40.5788, 0.2950, 0.3481



72.3128, 0.2915, 0.3525



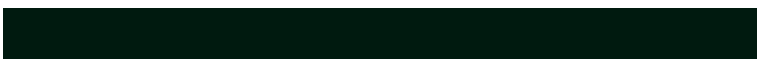
39.7803, 0.2851, 0.3241



9.5736, 0.3037, 0.3381



23.5652, 0.2617, 0.4619



0.7526, 0.2501, 0.4204

Inverse Universe

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



32.1882, 0.3346, 0.3107



54.4362, 0.3402, 0.3067



32.7860, 0.3473, 0.3338



8.5590, 0.3227, 0.3200



7.1031, 0.5363, 0.2728



0.2352, 0.4622, 0.2320

Previews

White Background



This preview shows how the Yxy color 40.5771, 0.2950, 0.3481 looks on a white background.

Color Contrast Check

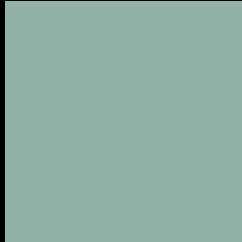
Large Text (above 18pt) WCAG AA × Fail

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 40.5771, 0.2950, 0.3481 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

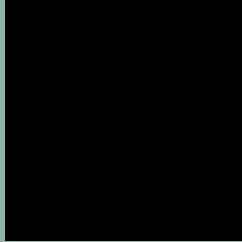
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 40.5771, 0.2950, 0.3481

Background



This preview shows how black text looks on a background with the Yxy color 40.5771, 0.2950, 0.3481.



This preview shows how white text looks on a background with the Yxy color 40.5771, 0.2950, 0.3481.

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

40.5771, 0.2950, 0.3481

Protanopia

40.5176, 0.3268, 0.3428

Deuteranopia

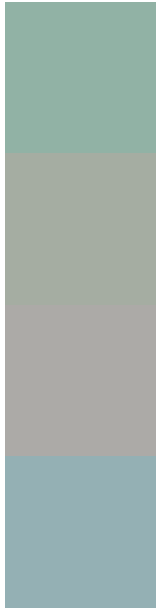
40.4288, 0.3318, 0.3251



Tritanopia

40.6803, 0.2810, 0.3106

Trichromacy



Original Color

40.5771, 0.2950, 0.3481

Protanomaly

40.4951, 0.3147, 0.3446

Deuteranomaly

40.3101, 0.3171, 0.3332

Tritanomaly

40.6419, 0.2861, 0.3232

Monochromacy



Original Color

40.5771, 0.2950, 0.3481

Achromatopsia

38.6429, 0.3127, 0.3290

Achromatomaly

39.2499, 0.3061, 0.3362

CSS Examples

Text

The CSS property to change the color of the text to Yxy 40.5771, 0.2950, 0.3481 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(145, 178, 165)` looks like.

```
.text, #text, p{  
    color:rgb(145, 178, 165)  
}
```

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(145, 178, 165) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(145, 178, 165) }
```

Border

The CSS property to change the border of an element to Yxy 40.5771, 0.2950, 0.3481 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(145, 178, 165) }
```

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

```
.border{ border-color:rgb(145, 178, 165) }
```

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

Here you see how a box with a 4 pixel `rgb(145, 178, 165)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(145, 178, 165); -webkit-box-  
shadow:4px 4px 4px 4px rgb(145, 178, 165);  
box-shadow:4px 4px 4px 4px rgb(145, 178,  
165) }
```


Background

The CSS property to change the background color of an element to Yxy 40.5771, 0.2950, 0.3481 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(145, 178, 165) }
```

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

```
.background{ background-color: rgb(145,  
178, 165) }
```

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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