

Converting Colors

$Y_{xy}(40.2369, 0.2936, 0.3416)$

Have a look what the booklet for
Yxy(40.2369, 0.2936, 0.3416)
contains.

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Color

Yxy(40.3824, 0.2935, 0.3421)

Conversions

Conversions Part 1

Format	Color
Hex	92B1A8
RGB	146, 177, 168
RGB Percent	57%, 69%, 66%
CMY	0.4274, 0.3059, 0.3412
CMYK	0.18, 0.00, 0.05, 0.31
HSL	163°, 17%, 63%
HSV	163°, 18%, 69%
XYZ	34.6455, 40.3824, 43.0148
YIQ	166.7050, -15.5870, -9.3710

Conversions

Conversions Part 2

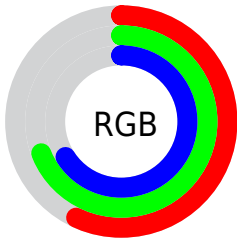
Format	Color
RYB	146, 164, 177
Decimal	9613736
CIELab	69.74, -12.41, 1.08
CIELCh	70, 12.452, 175.034
Yxy	40.3824, 0.2935, 0.3421
Android (android.graphics.Color)	4287803816 (0xFF92B1A8)
YUV	166.7050, 0.6384, -18.1583
Hunter-Lab	63.5471, -13.8904, 4.3499

Details

The Yxy color $40.3824, 0.2935, 0.3421$ is a light color, and the websafe version is hex `99CCCC`. A complement of this color would be $32.2757, 0.3364, 0.3163$, and the grayscale version is $38.4969, 0.3127, 0.3290$.

A 20% lighter version of the original color is $75.8849, 0.2970, 0.3401$, and $18.1092, 0.2877, 0.3455$ is the 20% darker color. If you saturate the color by 10%, you get $38.6976, 0.2833, 0.3506$, and if you desaturate by 10%, it is $42.3293, 0.3043, 0.3343$.

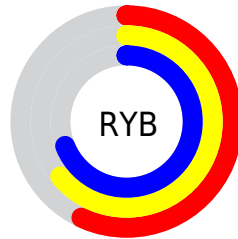
Distribution



Red (57%)

Green (69%)

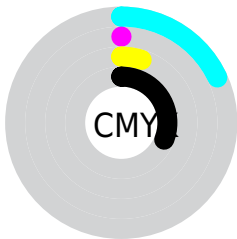
Blue (66%)



Red (57%)

Yellow (64%)

Blue (69%)

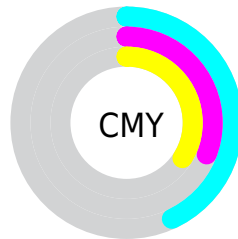


Cyan (18%)

Magenta (0%)

Yellow (5%)

Black (31%)



Cyan (43%)


Magenta (31%)

Yellow (34%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 40.3824, 0.2935, 0.3421 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 40.3824, 0.2935, 0.3421 by changing the saturation by 10% instead.


 40.3824, 0.2935,
0.3421


 40.3824, 0.2935,
0.3421


347.7327, 0.3034,
0.3354

 27.8368, 0.2910,
0.3438


 75.7455, 0.2971,
0.3396

 18.2027, 0.2876,
0.3461

 99.3317, 0.2985,
0.3387

 11.0956, 0.2831,
0.3492

127.3670, 0.2996,
0.3379

 6.1312, 0.2767,
0.3537

160.2358, 0.3006,
0.3373

 2.9250, 0.2666,
0.3608

198.3223, 0.3014,
0.3367

 1.0927, 0.2473,
0.3742

242.0110, 0.3021,

 0.0000, 0.0000,

0.3362

0.0000

291.6864, 0.3028,
0.3358

■ 40.3824, 0.2935,
0.3421

■ 40.3824, 0.2935,
0.3421

■ 38.6976, 0.2833,
0.3506

■ 42.3293, 0.3043,
0.3343

■ 37.2582, 0.2740,
0.3598

■ 44.5441, 0.3155,
0.3273

■ 36.0534, 0.2660,
0.3696

■ 47.0388, 0.3269,
0.3210

■ 35.0696, 0.2594,
0.3799

■ 49.8229, 0.3382,
0.3155

■ 34.2918, 0.2545,
0.3906

■ 52.9058, 0.3494,
0.3105

■ 33.7029, 0.2516,
0.4015

■ 56.2961, 0.3603,
0.3062

■ 33.2831, 0.2506,
0.4124

■ 57.0635, 0.3581,
0.3012

■ 33.0024, 0.2514,
0.4232

■ 57.3143, 0.3537,
0.2960

■ 32.9408, 0.2517,
0.4259

■ 57.5732, 0.3492,
0.2908

Harmonies

Analogous

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



40.3824, 0.3107, 0.3556



40.3824, 0.2935, 0.3421



40.3824, 0.2816, 0.3251

Triad

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



40.3824, 0.2935, 0.3421



40.3824, 0.2961, 0.2986



40.3824, 0.3489, 0.3466

Complementary

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



40.3824, 0.2935, 0.3421



32.2757, 0.3364, 0.3163

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.



40.3824, 0.3448, 0.3315



40.3824, 0.2935, 0.3421



40.3824, 0.3139, 0.3044

Square

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



40.3824, 0.2935, 0.3421



40.3824, 0.2830, 0.3004



40.3824, 0.3319, 0.3162



40.3824, 0.3429, 0.3577

Rectangle

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



40.3824, 0.2935, 0.3421



40.3824, 0.2781, 0.3145



40.3824, 0.3319, 0.3162



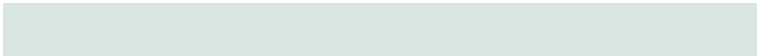
40.3824, 0.3487, 0.3418

Sweetspot

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



40.3841, 0.2935, 0.3421



76.7252, 0.3070, 0.3326



40.5196, 0.3187, 0.3745



16.5709, 0.3063, 0.3331



89.0005, 0.3127, 0.3290



17.0645, 0.3127, 0.3290

Same Dimension

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



40.3841, 0.2935, 0.3421



71.1087, 0.2895, 0.3453



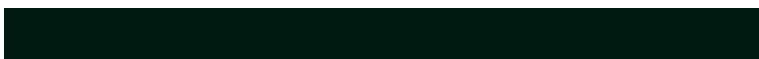
38.3381, 0.2864, 0.3199



9.5886, 0.3023, 0.3357



23.8773, 0.2513, 0.4247



0.7608, 0.2430, 0.3947

Inverse Universe

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



32.2757, 0.3364, 0.3163



53.8661, 0.3429, 0.3133



33.9476, 0.3443, 0.3379



8.5445, 0.3243, 0.3224



6.9574, 0.5760, 0.2947



0.2293, 0.4954, 0.2503

Previews

White Background



This preview shows how the Yxy color 40.3824, 0.2935, 0.3421 looks on a white background.

Color Contrast Check

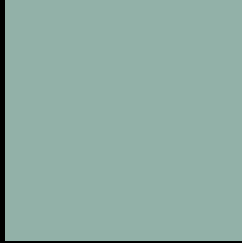
Large Text (above 18pt) WCAG AA × Fail

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 40.3824, 0.2935, 0.3421 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

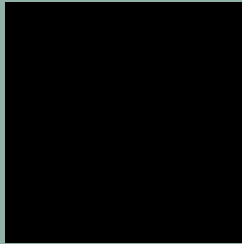
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

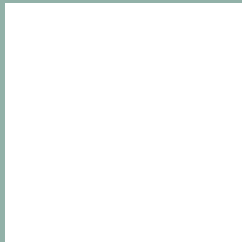
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 40.3824, 0.2935, 0.3421

Background



This preview shows how black text looks on a background with the Yxy color 40.3824, 0.2935, 0.3421.



This preview shows how white text looks on a background with the Yxy color 40.3824, 0.2935, 0.3421.

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

40.3824, 0.2935, 0.3421

Protanopia

40.0549, 0.3216, 0.3359

Deuteranopia

40.2896, 0.3272, 0.3211



Tritanopia

40.3870, 0.2817, 0.3092

Trichromacy



Original Color

40.3824, 0.2935, 0.3421

Protanomaly

40.1142, 0.3114, 0.3389

Deuteranomaly

39.9361, 0.3137, 0.3276

Tritanomaly

40.3857, 0.2861, 0.3204

Monochromacy



Original Color

40.3824, 0.2935, 0.3421

Achromatopsia

38.6429, 0.3127, 0.3290

Achromatomaly

39.2868, 0.3053, 0.3347

CSS Examples

Text

The CSS property to change the color of the text to Yxy 40.3824, 0.2935, 0.3421 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(146, 177, 168)` looks like.

```
.text, #text, p{  
    color:rgb(146, 177, 168)  
}
```

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(146, 177, 168) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(146, 177, 168) }
```

Border

The CSS property to change the border of an element to Yxy 40.3824, 0.2935, 0.3421 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(146, 177, 168) }
```

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

```
.border{ border-color:rgb(146, 177, 168) }
```

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

Here you see how a box with a 4 pixel rgb(146, 177, 168) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(146, 177, 168); -webkit-box-  
shadow:4px 4px 4px 4px rgb(146, 177, 168);  
box-shadow:4px 4px 4px 4px rgb(146, 177,  
168) }
```


Background

The CSS property to change the background color of an element to Yxy 40.3824, 0.2935, 0.3421 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(146, 177, 168) }
```

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

```
.background{ background-color: rgb(146,  
177, 168) }
```

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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