

Converting Colors

$Y_{xy}(40.9575, 0.2904, 0.3435)$

Have a look what the booklet for
Yxy(40.9575, 0.2904, 0.3435)
contains.

Yxy(40.9444, 0.2904, 0.3436)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(40.9444, 0.2904, 0.3436)

Conversions

Conversions Part 1

Format	Color
Hex	8FB3A9
RGB	143, 179, 169
RGB Percent	56%, 70%, 66%
CMY	0.4393, 0.2980, 0.3373
CMYK	0.20, 0.00, 0.06, 0.30
HSL	163°, 19%, 63%
HSV	163°, 20%, 70%
XYZ	34.6049, 40.9444, 43.6137
YIQ	167.0960, -18.2460, -10.7420

Conversions

Conversions Part 2

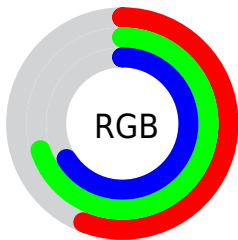
Format	Color
RYB	143, 164, 179
Decimal	9417641
CIELab	70.14, -14.25, 1.08
CIELCh	70, 14.292, 175.656
Yxy	40.9444, 0.2904, 0.3436
Android (android.graphics.Color)	4287607721 (0xFF8FB3A9)
YUV	167.0960, 0.9387, -21.1322
Hunter-Lab	63.9878, -15.4450, 4.3798

Details

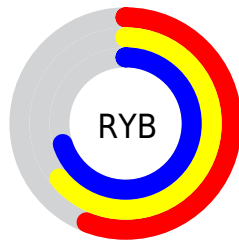
The Yxy color **40.9444, 0.2904, 0.3436** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **31.5204, 0.3413, 0.3149**, and the grayscale version is **38.6928, 0.3127, 0.3290**.

A 20% lighter version of the original color is **76.6688, 0.2946, 0.3412**, and **18.4814, 0.2837, 0.3476** is the 20% darker color. If you saturate the color by 10%, you get **39.2910, 0.2803, 0.3519**, and if you desaturate by 10%, it is **42.8632, 0.3013, 0.3360**.

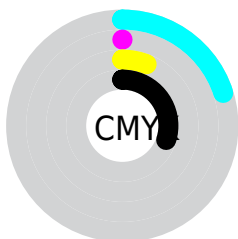
Distribution



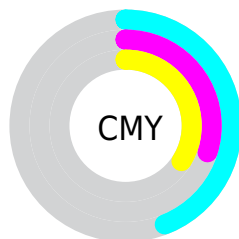
- Red (56%)
- Green (70%)
- Blue (66%)



- Red (56%)
- Yellow (64%)
- Blue (70%)



- Cyan (20%)
- Magenta (0%)
- Yellow (6%)
- Black (30%)



- Cyan (44%)
- Magenta (30%)
- Yellow (34%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 40.9444, 0.2904, 0.3436 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 40.9444, 0.2904, 0.3436 by changing the saturation by 10% instead.


 40.9444, 0.2904,
0.3436

 40.9444, 0.2904,
0.3436


350.0882, 0.3018,
0.3361

 28.2756, 0.2875,
0.3455


 76.5995, 0.2946,
0.3408

 18.5335, 0.2836,
0.3481


 100.3546, 0.2962,
0.3398

 11.3337, 0.2785,
0.3515


128.5740, 0.2975,
0.3389

 6.2918, 0.2711,
0.3565

161.6420, 0.2986,
0.3382

 3.0233, 0.2596,
0.3642

199.9430, 0.2996,
0.3376

 1.1439, 0.2380,
0.3787

243.8614, 0.3004,

 0.0152, 0.0000,

0.3370

1.0000

293.7817, 0.3012,
0.3365

0.0000, 0.0000,
0.0000

40.9444, 0.2904,
0.3436

40.9444, 0.2904,
0.3436

39.2910, 0.2803,
0.3519

42.8632, 0.3013,
0.3360

37.8858, 0.2712,
0.3608

45.0537, 0.3126,
0.3291

36.7174, 0.2633,
0.3704

47.5282, 0.3241,
0.3229

35.7713, 0.2571,
0.3803

50.2968, 0.3357,
0.3174

35.0318, 0.2526,
0.3906

53.3691, 0.3471,
0.3125

■ 34.4806, 0.2501,
0.4010

■ 56.7543, 0.3583,
0.3082

■ 34.0964, 0.2495,
0.4113

■ 57.8552, 0.3579,
0.3034

■ 33.8370, 0.2504,
0.4215

■ 58.0974, 0.3536,
0.2984

■ 58.3473, 0.3493,
0.2934

Harmonies

Analogous

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



40.9444, 0.3099, 0.3592



40.9444, 0.2904, 0.3436



40.9444, 0.2771, 0.3241

Triad

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



40.9444, 0.2904, 0.3436



40.9444, 0.2941, 0.2944



40.9444, 0.3541, 0.3493

Complementary

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



40.9444, 0.2904, 0.3436



31.5204, 0.3413, 0.3149

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.



40.9444, 0.3497, 0.3321



40.9444, 0.2904, 0.3436



40.9444, 0.3145, 0.3012

Square

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



40.9444, 0.2904, 0.3436



40.9444, 0.2791, 0.2963



40.9444, 0.3350, 0.3148



40.9444, 0.3470, 0.3619

Rectangle

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



40.9444, 0.2904, 0.3436



40.9444, 0.2732, 0.3120



40.9444, 0.3350, 0.3148



40.9444, 0.3539, 0.3438

Sweetspot

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



40.9461, 0.2904, 0.3436



78.2779, 0.3058, 0.3331



41.0169, 0.3190, 0.3821



17.2877, 0.3050, 0.3336



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.



40.9461, 0.2904, 0.3436



72.0011, 0.2860, 0.3471



38.2944, 0.2824, 0.3175



9.5905, 0.3022, 0.3354



23.9190, 0.2501, 0.4203



0.7619, 0.2421, 0.3916

Inverse Universe

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



31.5204, 0.3413, 0.3149



52.1537, 0.3490, 0.3117



33.6295, 0.3498, 0.3402



8.5428, 0.3245, 0.3227



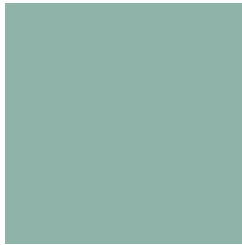
6.9431, 0.5804, 0.2971



0.2286, 0.4999, 0.2527

Previews

White Background



This preview shows how the Yxy color 40.9444, 0.2904, 0.3436 looks on a white background.

Color Contrast Check

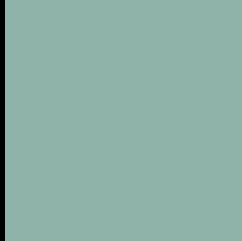
Large Text (above 18pt) WCAG AA × Fail

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 40.9444, 0.2904, 0.3436 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

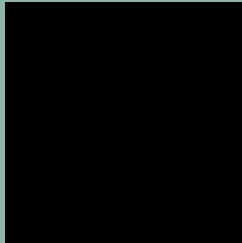
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

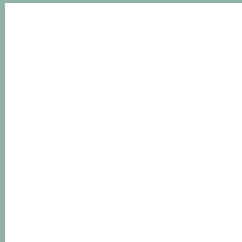
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 40.9444, 0.2904, 0.3436

Background



This preview shows how black text looks on a background with the Yxy color 40.9444, 0.2904, 0.3436.

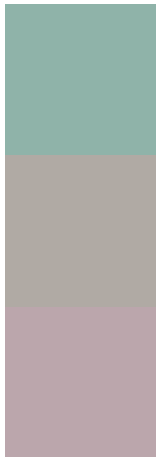


This preview shows how white text looks on a background with the Yxy color 40.9444, 0.2904, 0.3436.

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

40.9444, 0.2904, 0.3436

Protanopia

40.6599, 0.3233, 0.3373

Deuteranopia

40.8158, 0.3271, 0.3211



Tritanopia

40.9714, 0.2781, 0.3092

Trichromacy



Original Color

40.9444, 0.2904, 0.3436

Protanomaly

40.5328, 0.3105, 0.3389

Deuteranomaly

40.7240, 0.3127, 0.3290

Tritanomaly

40.9327, 0.2831, 0.3218

Monochromacy



Original Color

40.9444, 0.2904, 0.3436

Achromatopsia

38.6429, 0.3127, 0.3290

Achromatomaly

39.2221, 0.3036, 0.3333

CSS Examples

Text

The CSS property to change the color of the text to Yxy 40.9444, 0.2904, 0.3436 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(143, 179, 169)` looks like.

```
.text, #text, p{  
    color:rgb(143, 179, 169)  
}
```

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(143, 179, 169) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(143, 179, 169) }
```

Border

The CSS property to change the border of an element to Yxy 40.9444, 0.2904, 0.3436 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(143, 179, 169) }
```

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

```
.border{ border-color:rgb(143, 179, 169) }
```

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

Here you see how a box with a 4 pixel `rgb(143, 179, 169)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(143, 179, 169); -webkit-box-  
shadow:4px 4px 4px 4px rgb(143, 179, 169);  
box-shadow:4px 4px 4px 4px rgb(143, 179,  
169) }
```


Background

The CSS property to change the background color of an element to Yxy 40.9444, 0.2904, 0.3436 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(143, 179, 169) }
```

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

```
.background{ background-color: rgb(143,  
179, 169) }
```

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