

Converting Colors

$Y_{xy}(45.0375, 0.2885, 0.3314)$

Have a look what the booklet for
Yxy(45.0375, 0.2885, 0.3314)
contains.

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Color

Yxy(44.8891, 0.2884, 0.3317)

Conversions

Conversions Part 1

Format	Color
Hex	99B9B7
RGB	153, 185, 183
RGB Percent	60%, 73%, 72%
CMY	0.4001, 0.2745, 0.2823
CMYK	0.17, 0.00, 0.01, 0.27
HSL	176°, 19%, 66%
HSV	176°, 17%, 73%
XYZ	39.0293, 44.8891, 51.4120
YIQ	175.2040, -18.4300, -7.4060

Conversions

Conversions Part 2

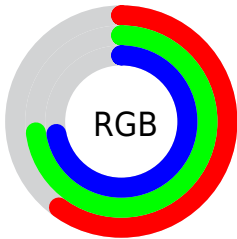
Format	Color
RYB	153, 170, 185
Decimal	10074551
CIELab	72.82, -11.20, -2.60
CIElCh	73, 11.500, 193.085
Yxy	44.8891, 0.2884, 0.3317
Android (android.graphics.Color)	4288264631 (0xFF99B9B7)
YUV	175.2040, 3.8434, -19.4729
Hunter-Lab	66.9993, -13.2668, 1.4033

Details

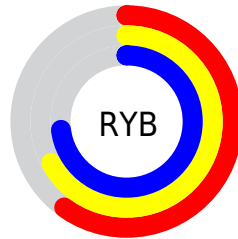
The Yxy color **44.8891, 0.2884, 0.3317** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **35.4536, 0.3434, 0.3263**, and the grayscale version is **42.9661, 0.3127, 0.3290**.

A 20% lighter version of the original color is **82.5525, 0.2930, 0.3311**, and **20.8809, 0.2812, 0.3328** is the 20% darker color. If you saturate the color by 10%, you get **43.1806, 0.2756, 0.3334**, and if you desaturate by 10%, it is **46.8808, 0.3022, 0.3301**.

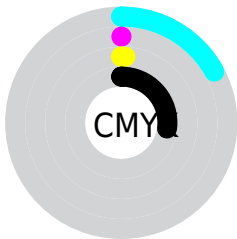
Distribution



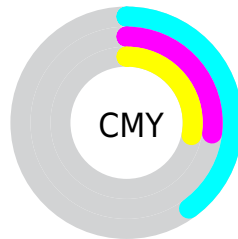
- Red (60%)
- Green (73%)
- Blue (72%)



- Red (60%)
- Yellow (67%)
- Blue (73%)



- Cyan (17%)
- Magenta (0%)
- Yellow (1%)
- Black (27%)



- Cyan (40%)
- Magenta (27%)
- Yellow (28%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 44.8891, 0.2884, 0.3317 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 44.8891, 0.2884, 0.3317 by changing the saturation by 10% instead.

■ 44.8891, 0.2884,
0.3317

■ 44.8891, 0.2884,
0.3317

366.3242, 0.3006,
0.3304

■ 31.3701, 0.2854,
0.3320

■ 82.5540, 0.2928,
0.3313

■ 20.8808, 0.2814,
0.3323

■ 107.4686, 0.2945,
0.3311

■ 13.0369, 0.2762,
0.3328

136.9506, 0.2959,
0.3309

■ 7.4540, 0.2689,
0.3334

171.3843, 0.2971,
0.3308

■ 3.7476, 0.2580,
0.3341

211.1541, 0.2981,
0.3307

■ 1.5334, 0.2398,
0.3350

256.6444, 0.2991,

■ 0.3121, 0.0270,

0.3306

0.3641

308.2397, 0.2999,
0.3305

0.0000, 0.0000,
0.0000

44.8891, 0.2884,
0.3317

44.8891, 0.2884,
0.3317

43.1806, 0.2756,
0.3334

46.8808, 0.3022,
0.3301

41.7370, 0.2640,
0.3353

49.1621, 0.3166,
0.3286

40.5462, 0.2539,
0.3373

51.7462, 0.3315,
0.3273

39.5931, 0.2455,
0.3393

54.6438, 0.3465,
0.3261

38.8612, 0.2389,
0.3413

57.8651, 0.3614,
0.3251

■ 38.3315, 0.2343,
0.3434

■ 59.6774, 0.3685,
0.3240

■ 37.9822, 0.2315,
0.3455

■ 59.7280, 0.3676,
0.3228

■ 37.7814, 0.2302,
0.3475

■ 59.7791, 0.3666,
0.3216

■ 37.7373, 0.2300,
0.3481

■ 59.8306, 0.3656,
0.3204

Harmonies

Analogous

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



44.8891, 0.3013, 0.3460



44.8891, 0.2884, 0.3317



44.8891, 0.2819, 0.3170

Triad

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



44.8891, 0.2884, 0.3317



44.8891, 0.3072, 0.3041



44.8891, 0.3428, 0.3513

Complementary

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



44.8891, 0.2884, 0.3317



35.4536, 0.3434, 0.3263

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.



44.8891, 0.3446, 0.3397



44.8891, 0.2884, 0.3317



44.8891, 0.3237, 0.3128

Square

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



44.8891, 0.2884, 0.3317



44.8891, 0.2925, 0.3016



44.8891, 0.3375, 0.3257



44.8891, 0.3328, 0.3574

Rectangle

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



44.8891, 0.2884, 0.3317



44.8891, 0.2820, 0.3091



44.8891, 0.3375, 0.3257



44.8891, 0.3444, 0.3479

Sweetspot

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



44.8910, 0.2884, 0.3317



84.8202, 0.3054, 0.3298



43.9802, 0.3123, 0.3749



18.2266, 0.3044, 0.3299



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.



44.8910, 0.2884, 0.3317



79.0976, 0.2831, 0.3324



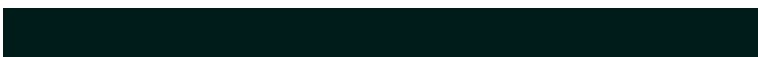
39.4460, 0.2860, 0.3093



10.2007, 0.2993, 0.3304



25.6965, 0.2300, 0.3478



0.9088, 0.2285, 0.3425

Inverse Universe

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



35.4536, 0.3434, 0.3263



58.8526, 0.3524, 0.3257



40.1984, 0.3423, 0.3479



9.0211, 0.3278, 0.3276



7.0444, 0.6320, 0.3255



0.2514, 0.6016, 0.3088

Previews

White Background



This preview shows how the Yxy color 44.8891, 0.2884, 0.3317 looks on a white background.

Color Contrast Check

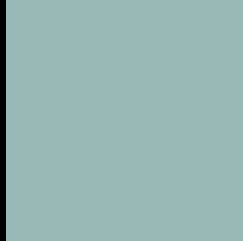
Large Text (above 18pt) WCAG AA × Fail

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 44.8891, 0.2884, 0.3317 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

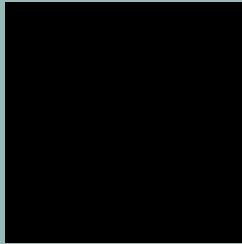
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

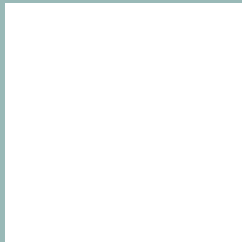
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 44.8891, 0.2884, 0.3317

Background



This preview shows how black text looks on a background with the Yxy color 44.8891, 0.2884, 0.3317.

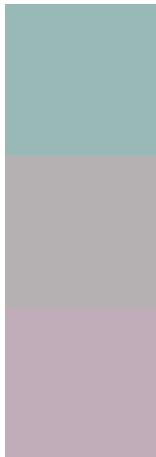


This preview shows how white text looks on a background with the Yxy color 44.8891, 0.2884, 0.3317.

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

44.8891, 0.2884, 0.3317

Protanopia

44.5227, 0.3146, 0.3264

Deuteranopia

44.5964, 0.3197, 0.3137



Tritanopia

44.9661, 0.2808, 0.3100

Trichromacy



Original Color

44.8891, 0.2884, 0.3317

Protanomaly

44.5957, 0.3051, 0.3290

Deuteranomaly

44.3700, 0.3080, 0.3198

Tritanomaly

45.0553, 0.2836, 0.3180

Monochromacy



Original Color

44.8891, 0.2884, 0.3317

Achromatopsia

42.8690, 0.3127, 0.3290

Achromatomaly

43.6700, 0.3033, 0.3303

CSS Examples

Text

The CSS property to change the color of the text to Yxy 44.8891, 0.2884, 0.3317 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(153, 185, 183)` looks like.

```
.text, #text, p{  
    color:rgb(153, 185, 183)  
}
```

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(153, 185, 183) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(153, 185, 183) }
```

Border

The CSS property to change the border of an element to Yxy 44.8891, 0.2884, 0.3317 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(153, 185, 183) }
```

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

```
.border{ border-color:rgb(153, 185, 183) }
```

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

Here you see how a box with a 4 pixel `rgb(153, 185, 183)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(153, 185, 183); -webkit-box-  
shadow:4px 4px 4px 4px rgb(153, 185, 183);  
box-shadow:4px 4px 4px 4px rgb(153, 185,  
183) }
```


Background

The CSS property to change the background color of an element to Yxy 44.8891, 0.2884, 0.3317 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(153, 185, 183) }
```

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

```
.background{ background-color: rgb(153,  
185, 183) }
```

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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