

Converting Colors

$Y_{xy}(45.8456, 0.2929, 0.3400)$

Have a look what the booklet for
Yxy(45.8456, 0.2929, 0.3400)
contains.

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Color

Yxy(45.7639, 0.2929, 0.3400)

Conversions

Conversions Part 1

Format	Color
Hex	9BBBB3
RGB	155, 187, 179
RGB Percent	61%, 73%, 70%
CMY	0.3922, 0.2666, 0.2980
CMYK	0.17, 0.00, 0.04, 0.27
HSL	165°, 19%, 67%
HSV	165°, 17%, 73%
XYZ	39.4243, 45.7639, 49.4116
YIQ	176.5200, -16.5040, -9.2720

Conversions

Conversions Part 2

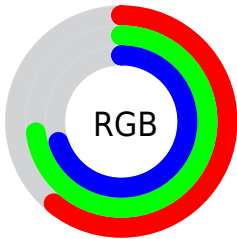
Format	Color
RYB	155, 173, 187
Decimal	10206131
CIELab	73.39, -12.42, 0.43
CIElCh	73, 12.430, 178.010
Yxy	45.7639, 0.2929, 0.3400
Android (android.graphics.Color)	4288396211 (0xFF9BBB3)
YUV	176.5200, 1.2226, -18.8730
Hunter-Lab	67.6490, -14.3602, 4.0483

Details

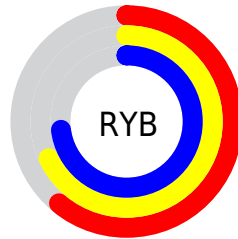
The Yxy color **45.7639, 0.2929, 0.3400** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **36.6485, 0.3372, 0.3183**, and the grayscale version is **43.7022, 0.3127, 0.3290**.

A 20% lighter version of the original color is **83.8010, 0.2965, 0.3375**, and **21.4401, 0.2873, 0.3444** is the 20% darker color. If you saturate the color by 10%, you get **43.8711, 0.2822, 0.3473**, and if you desaturate by 10%, it is **47.9535, 0.3043, 0.3334**.

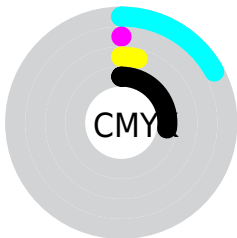
Distribution



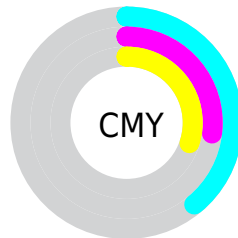
- Red (61%)
- Green (73%)
- Blue (70%)



- Red (61%)
- Yellow (68%)
- Blue (73%)



- Cyan (17%)
- Magenta (0%)
- Yellow (4%)
- Black (27%)





- Cyan (39%)
- Magenta (27%)
- Yellow (30%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 45.7639, 0.2929, 0.3400 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 45.7639, 0.2929, 0.3400 by changing the saturation by 10% instead.


 45.7639, 0.2929,
0.3400


 45.7639, 0.2929,
0.3400


369.8586, 0.3028,
0.3345

 32.0596, 0.2904,
0.3414


 83.8655, 0.2965,
0.3380

 21.4070, 0.2872,
0.3432


 109.0316, 0.2979,
0.3372

 13.4218, 0.2829,
0.3456

138.7871, 0.2990,
0.3366

 7.7197, 0.2769,
0.3489

173.5163, 0.3000,
0.3361

 3.9161, 0.2679,
0.3540

213.6037, 0.3009,
0.3356

 1.6267, 0.2528,
0.3625

259.4336, 0.3016,

 0.3755, 0.0664,

0.3352

0.4648

311.3904, 0.3023,
0.3348

0.0000, 0.0000,
0.0000

45.7639, 0.2929,
0.3400

45.7639, 0.2929,
0.3400

43.8711, 0.2822,
0.3473

47.9535, 0.3043,
0.3334

42.2561, 0.2724,
0.3551

50.4464, 0.3162,
0.3273

40.9065, 0.2639,
0.3635


53.2562, 0.3282,
0.3219


39.8069, 0.2569,
0.3723

56.3940, 0.3402,
0.3171

38.9402, 0.2517,
0.3813


59.8703, 0.3521,
0.3129

 38.2869, 0.2484,
0.3906


 61.3085, 0.3536,
0.3085


 37.8245, 0.2470,
0.3998

 61.5401, 0.3497,
0.3037

 37.5212, 0.2474,
0.4090

 61.7786, 0.3459,
0.2990

 37.4465, 0.2477,
0.4117

 62.0239, 0.3421,
0.2944

Harmonies

Analogous

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



45.7639, 0.3091, 0.3534



45.7639, 0.2929, 0.3400



45.7639, 0.2822, 0.3237

Triad

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



45.7639, 0.2929, 0.3400



45.7639, 0.2984, 0.3001



45.7639, 0.3472, 0.3472

Complementary

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



45.7639, 0.2929, 0.3400



36.6485, 0.3372, 0.3183

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.



45.7639, 0.3442, 0.3329



45.7639, 0.2929, 0.3400



45.7639, 0.3157, 0.3063

Square

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



45.7639, 0.2929, 0.3400



45.7639, 0.2852, 0.3011



45.7639, 0.3326, 0.3181



45.7639, 0.3406, 0.3572

Rectangle

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



45.7639, 0.2929, 0.3400



45.7639, 0.2794, 0.3138



45.7639, 0.3326, 0.3181



45.7639, 0.3473, 0.3427

Sweetspot

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



45.7658, 0.2929, 0.3400



86.7444, 0.3067, 0.3321



45.6950, 0.3173, 0.3737



19.0360, 0.3059, 0.3325



95.5105, 0.3127, 0.3290



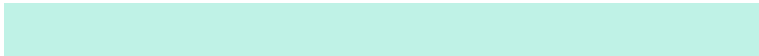
19.5994, 0.3127, 0.3290

Same Dimension

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



45.7658, 0.2929, 0.3400



80.4668, 0.2883, 0.3430



42.7965, 0.2867, 0.3178



10.7678, 0.3017, 0.3348



25.8114, 0.2474, 0.4106



1.0209, 0.2413, 0.3886

Inverse Universe

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



36.6485, 0.3372, 0.3183



60.7110, 0.3447, 0.3155



39.1240, 0.3432, 0.3399



9.5744, 0.3250, 0.3233



7.4287, 0.5904, 0.3026



0.3019, 0.5205, 0.2641

Previews

White Background



This preview shows how the Yxy color 45.7639, 0.2929, 0.3400 looks on a white background.

Color Contrast Check

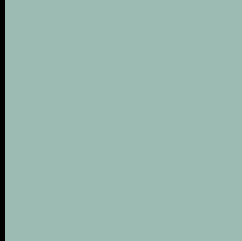
Large Text (above 18pt) WCAG AA × Fail

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 45.7639, 0.2929, 0.3400 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

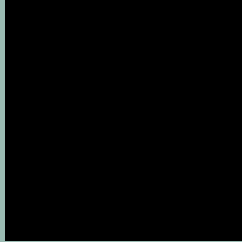
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

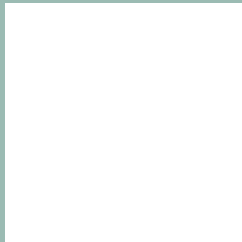
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 45.7639, 0.2929, 0.3400

Background



This preview shows how black text looks on a background with the Yxy color 45.7639, 0.2929, 0.3400.



This preview shows how white text looks on a background with the Yxy color 45.7639, 0.2929, 0.3400.

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

45.7639, 0.2929, 0.3400

Protanopia

45.5257, 0.3203, 0.3343

Deuteranopia

45.3853, 0.3257, 0.3189



Tritanopia

45.7754, 0.2817, 0.3089

Trichromacy



Original Color

45.7639, 0.2929, 0.3400

Protanomaly

45.4747, 0.3098, 0.3370

Deuteranomaly

45.4002, 0.3128, 0.3264

Tritanomaly

45.7728, 0.2859, 0.3195

Monochromacy



Original Color

45.7639, 0.2929, 0.3400

Achromatopsia

43.9657, 0.3127, 0.3290

Achromatomaly

44.6971, 0.3049, 0.3330

CSS Examples

Text

The CSS property to change the color of the text to Yxy 45.7639, 0.2929, 0.3400 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(155, 187, 179)` looks like.

```
.text, #text, p{  
    color:rgb(155, 187, 179)  
}
```

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(155, 187, 179) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(155, 187, 179) }
```

Border

The CSS property to change the border of an element to Yxy 45.7639, 0.2929, 0.3400 is called "border". The border property can be set on classes, ids or directly on the HTML element.

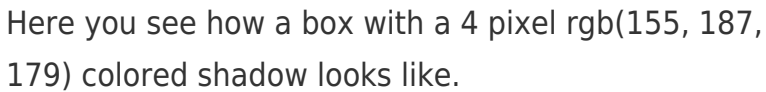
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(155, 187, 179) }
```

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

```
.border{ border-color:rgb(155, 187, 179) }
```

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



Here you see how a box with a 4 pixel `rgb(155, 187, 179)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(155, 187, 179); -webkit-box-  
shadow:4px 4px 4px 4px rgb(155, 187, 179);  
box-shadow:4px 4px 4px 4px rgb(155, 187,  
179) }
```


Background

The CSS property to change the background color of an element to Yxy 45.7639, 0.2929, 0.3400 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(155, 187, 179) }
```

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

```
.background{ background-color: rgb(155,  
187, 179) }
```

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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