

Converting Colors

$Y_{xy}(39.6836, 0.2560, 0.2948)$

Have a look what the booklet for
Yxy(39.6836, 0.2560, 0.2948)
contains.

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Color

Yxy(39.5808, 0.2559, 0.2944)

Conversions

Conversions Part 1

Format	Color
Hex	7DB0C8
RGB	125, 176, 200
RGB Percent	49%, 69%, 78%
CMY	0.5099, 0.3098, 0.2157
CMYK	0.38, 0.12, 0.00, 0.22
HSL	199°, 41%, 64%
HSV	199°, 38%, 78%
XYZ	34.4046, 39.5808, 60.4602
YIQ	163.4870, -38.1000, -3.3480

Conversions

Conversions Part 2

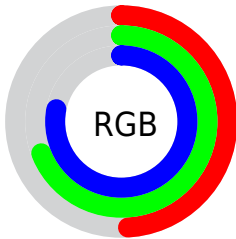
Format	Color
R _{YB}	125, 155, 200
Decimal	8237256
CIE _{Lab}	69.17, -10.77, -17.54
CIE _{LCh}	69, 20.586, 238.445
Yxy	39.5808, 0.2559, 0.2944
Android (android.graphics.Color)	4286427336 (0xFF7DB0C8)
YUV	163.4870, 18.0009, -33.7531
Hunter-Lab	62.9133, -12.4840, -12.9389

Details

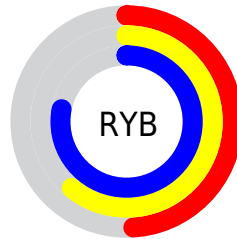
The Yxy color **39.5808, 0.2559, 0.2944** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **35.2403, 0.3917, 0.3608**, and the grayscale version is **36.7938, 0.3127, 0.3290**.

A 20% lighter version of the original color is **74.6365, 0.2673, 0.3035**, and **17.6190, 0.2396, 0.2825** is the 20% darker color. If you saturate the color by 10%, you get **35.7773, 0.2420, 0.2834**, and if you desaturate by 10%, it is **43.8084, 0.2707, 0.3047**.

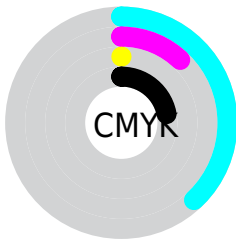
Distribution



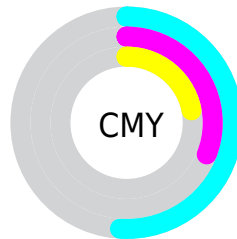
- Red (49%)
- Green (69%)
- Blue (78%)



- Red (49%)
- Yellow (61%)
- Blue (78%)



- Cyan (38%)
- Magenta (12%)
- Yellow (0%)
- Black (22%)



- Cyan (51%)
- Magenta (31%)
- Yellow (22%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 39.5808, 0.2559, 0.2944 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 39.5808, 0.2559, 0.2944 by changing the saturation by 10% instead.

■ 39.5808, 0.2559,
0.2944

■ 39.5808, 0.2559,
0.2944

344.3535, 0.2845,
0.3125

■ 27.2119, 0.2488,
0.2897

■ 74.5247, 0.2663,
0.3011

■ 17.7324, 0.2396,
0.2835

■ 97.8685, 0.2702,
0.3036

■ 10.7580, 0.2275,
0.2750

■ 125.6394, 0.2735,
0.3057

■ 5.9044, 0.2106,
0.2629

158.2217, 0.2763,
0.3075

■ 2.7870, 0.1860,
0.2442

195.9999, 0.2788,
0.3090

■ 1.0216, 0.1461,
0.2127

239.3583, 0.2809,

■ 0.0000, 0.0000,

0.3103

0.0000

288.6814, 0.2828,
0.3115

■ 39.5808, 0.2559,
0.2944

■ 39.5808, 0.2559,
0.2944

■ 35.7773, 0.2420,
0.2834

■ 43.8084, 0.2707,
0.3047

■ 32.3735, 0.2292,
0.2718

■ 48.4739, 0.2859,
0.3143

■ 29.3490, 0.2180,
0.2598

■ 53.5960, 0.3012,
0.3230

■ 26.6792, 0.2086,
0.2476

■ 59.1905, 0.3165,
0.3309

■ 24.3354, 0.2012,
0.2354

■ 65.2728, 0.3314,
0.3379

■ 22.2782, 0.1958,
0.2234

■ 71.8572, 0.3459,
0.3442

■ 21.7926, 0.1946,
0.2205

■ 77.0163, 0.3523,
0.3502

■ 80.4521, 0.3509,
0.3566

■ 84.0178, 0.3496,
0.3628

Harmonies

Analogous

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



39.5808, 0.2602, 0.3186



39.5808, 0.2559, 0.2944



39.5808, 0.2658, 0.2809

Triad

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



39.5808, 0.2559, 0.2944



39.5808, 0.3476, 0.3105



39.5808, 0.3357, 0.3831

Complementary

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



39.5808, 0.2559, 0.2944



35.2403, 0.3917, 0.3608

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.



39.5808, 0.3607, 0.3778



39.5808, 0.2559, 0.2944



39.5808, 0.3681, 0.3352

Square

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



39.5808, 0.2559, 0.2944



39.5808, 0.3178, 0.2907



39.5808, 0.3729, 0.3597



39.5808, 0.3054, 0.3722

Rectangle

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



39.5808, 0.2559, 0.2944



39.5808, 0.2794, 0.2789



39.5808, 0.3729, 0.3597



39.5808, 0.3451, 0.3831

Sweetspot

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



39.5823, 0.2559, 0.2944



89.4743, 0.2956, 0.3199



47.8219, 0.2923, 0.4050



18.8886, 0.2935, 0.3187



0.0000, 0.0000, 0.0000



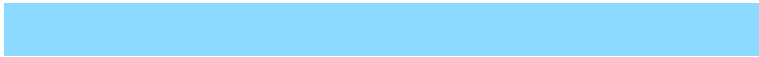
21.4041, 0.3127, 0.3290

Same Dimension

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



39.5823, 0.2559, 0.2944



63.1241, 0.2445, 0.2855



26.9169, 0.2477, 0.2375



11.4736, 0.2984, 0.3214



14.0264, 0.1950, 0.2221



0.7907, 0.2020, 0.2470

Inverse Universe

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



30.0757, 0.3423, 0.2641



45.1678, 0.3511, 0.2503



48.9745, 0.3743, 0.4062



10.7567, 0.3186, 0.3134



8.9560, 0.4210, 0.2093



0.4368, 0.3952, 0.1951

Previews

White Background



This preview shows how the Yxy color 39.5808, 0.2559, 0.2944 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 39.5808, 0.2559, 0.2944 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

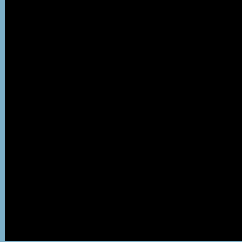
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 39.5808, 0.2559, 0.2944

Background



This preview shows how black text looks on a background with the Yxy color 39.5808, 0.2559, 0.2944.



This preview shows how white text looks on a background with the Yxy color 39.5808, 0.2559, 0.2944.

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

39.5808, 0.2559, 0.2944

Protanopia

39.3190, 0.2873, 0.2922

Deuteranopia

39.4994, 0.2853, 0.2799



Tritanopia

39.4610, 0.2598, 0.3069

Trichromacy



Original Color

39.5808, 0.2559, 0.2944

Protanomaly

39.1245, 0.2747, 0.2926

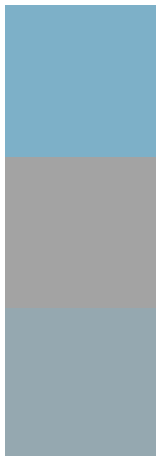
Deuteranomaly

39.2684, 0.2734, 0.2850

Tritanomaly

39.6695, 0.2586, 0.3027

Monochromacy



Original Color

39.5808, 0.2559, 0.2944

Achromatopsia

36.6253, 0.3127, 0.3290

Achromatomaly

37.5294, 0.2894, 0.3173

CSS Examples

Text

The CSS property to change the color of the text to Yxy 39.5808, 0.2559, 0.2944 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(125, 176, 200)` looks like.

```
.text, #text, p{  
    color:rgb(125, 176, 200)  
}
```

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(125, 176, 200) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(125, 176, 200) }
```

Border

The CSS property to change the border of an element to Yxy 39.5808, 0.2559, 0.2944 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(125, 176, 200) }
```

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

```
.border{ border-color:rgb(125, 176, 200) }
```

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

Here you see how a box with a 4 pixel `rgb(125, 176, 200)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(125, 176, 200); -webkit-box-  
shadow:4px 4px 4px 4px rgb(125, 176, 200);  
box-shadow:4px 4px 4px 4px rgb(125, 176,  
200) }
```


Background

The CSS property to change the background color of an element to Yxy 39.5808, 0.2559, 0.2944 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(125, 176, 200) }
```

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

```
.background{ background-color: rgb(125,  
176, 200) }
```

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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