

Converting Colors

$Y_{xy}(39.9739, 0.2535, 0.2979)$

Have a look what the booklet for
Yxy(39.9739, 0.2535, 0.2979)
contains.

Yxy(39.9574, 0.2538, 0.2984)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(39.9574, 0.2538, 0.2984)

Conversions

Conversions Part 1

Format	Color
Hex	78B2C7
RGB	120, 178, 199
RGB Percent	47%, 70%, 78%
CMY	0.5291, 0.3020, 0.2195
CMYK	0.40, 0.11, 0.00, 0.22
HSL	196°, 41%, 63%
HSV	196°, 40%, 78%
XYZ	33.9852, 39.9574, 59.9629
YIQ	163.0520, -41.3090, -5.7650

Conversions

Conversions Part 2

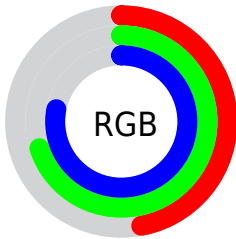
Format	Color
RYB	120, 153, 199
Decimal	7910087
CIELab	69.44, -13.39, -16.63
CIElCh	69, 21.346, 231.158
Yxy	39.9574, 0.2538, 0.2984
Android (android.graphics.Color)	4286100167 (0xFF78B2C7)
YUV	163.0520, 17.7224, -37.7566
Hunter-Lab	63.2119, -14.6521, -11.9943

Details

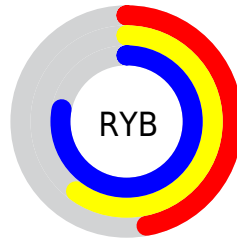
The Yxy color **39.9574, 0.2538, 0.2984** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **32.5876, 0.4000, 0.3571**, and the grayscale version is **36.5908, 0.3127, 0.3290**.

A 20% lighter version of the original color is **75.1796, 0.2648, 0.3056**, and **17.8698, 0.2369, 0.2881** is the 20% darker color. If you saturate the color by 10%, you get **36.6101, 0.2407, 0.2892**, and if you desaturate by 10%, it is **43.6852, 0.2679, 0.3071**.

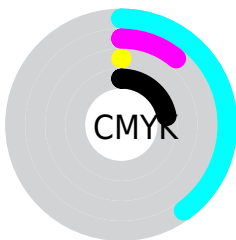
Distribution



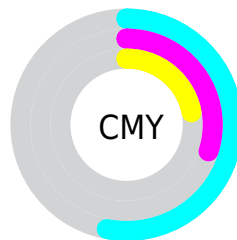
- Red (47%)
- Green (70%)
- Blue (78%)



- Red (47%)
- Yellow (60%)
- Blue (78%)



- Cyan (40%)
- Magenta (11%)
- Yellow (0%)
- Black (22%)



- Cyan (53%)
- Magenta (30%)
- Yellow (22%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 39.9574, 0.2538, 0.2984 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 39.9574, 0.2538, 0.2984 by changing the saturation by 10% instead.


 39.9574, 0.2538,
0.2984


 39.9574, 0.2538,
0.2984


345.9440, 0.2834,
0.3145

 27.5053, 0.2464,
0.2941


 75.0986, 0.2645,
0.3044

 17.9531, 0.2370,
0.2885


 98.5566, 0.2686,
0.3067

 10.9163, 0.2245,
0.2808


 126.4520, 0.2720,
0.3085

 6.0106, 0.2073,
0.2697

159.1692, 0.2749,
0.3101

 2.8515, 0.1821,
0.2523

197.0926, 0.2774,
0.3114

 1.0547, 0.1408,
0.2228

240.6066, 0.2797,

 0.0000, 0.0000,

0.3126

0.0000

290.0956, 0.2816,
0.3136

■ 39.9574, 0.2538,
0.2984

■ 39.9574, 0.2538,
0.2984

■ 36.6101, 0.2407,
0.2892

■ 43.6852, 0.2679,
0.3071

■ 33.6193, 0.2290,
0.2796

■ 47.8065, 0.2827,
0.3151

■ 30.9650, 0.2189,
0.2698

■ 52.3394, 0.2979,
0.3225

■ 28.6230, 0.2108,
0.2598

■ 57.2994, 0.3132,
0.3292

■ 26.5646, 0.2046,
0.2498

■ 62.7009, 0.3284,
0.3353

■ 24.7387, 0.2001,
0.2400

■ 68.5577, 0.3432,
0.3406

■ 24.6783, 0.1999,
0.2396

■ 74.0387, 0.3542,
0.3456

■ 76.7851, 0.3530,
0.3509

■ 79.6198, 0.3519,
0.3562

Harmonies

Analogous

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



39.9574, 0.2618, 0.3254



39.9574, 0.2538, 0.2984



39.9574, 0.2605, 0.2815

Triad

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



39.9574, 0.2538, 0.2984



39.9574, 0.3418, 0.3043



39.9574, 0.3436, 0.3851

Complementary

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



39.9574, 0.2538, 0.2984



32.5876, 0.4000, 0.3571

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.



39.9574, 0.3668, 0.3758



39.9574, 0.2538, 0.2984



39.9574, 0.3662, 0.3290

Square

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



39.9574, 0.2538, 0.2984



39.9574, 0.3102, 0.2858



39.9574, 0.3754, 0.3548



39.9574, 0.3128, 0.3780

Rectangle

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



39.9574, 0.2538, 0.2984



39.9574, 0.2726, 0.2774



39.9574, 0.3754, 0.3548



39.9574, 0.3526, 0.3837

Sweetspot

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



39.9590, 0.2538, 0.2984



89.5591, 0.2941, 0.3207



46.7417, 0.2947, 0.4185



18.9404, 0.2921, 0.3197



0.0000, 0.0000, 0.0000



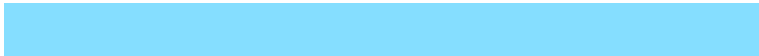
21.4041, 0.3127, 0.3290

Same Dimension

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



39.9590, 0.2538, 0.2984



64.6222, 0.2419, 0.2901



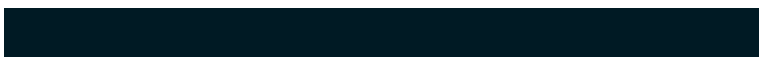
26.8279, 0.2448, 0.2395



11.5709, 0.2984, 0.3227



16.0161, 0.2003, 0.2410



0.8727, 0.2060, 0.2615

Inverse Universe

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



28.8127, 0.3398, 0.2555



43.2204, 0.3481, 0.2395



45.8567, 0.3805, 0.4045



10.7665, 0.3178, 0.3122



9.1568, 0.4013, 0.1984



0.4451, 0.3810, 0.1872

Previews

White Background



This preview shows how the Yxy color 39.9574, 0.2538, 0.2984 looks on a white background.

Color Contrast Check

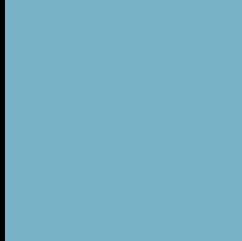
Large Text (above 18pt) WCAG AA × Fail

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 39.9574, 0.2538, 0.2984 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

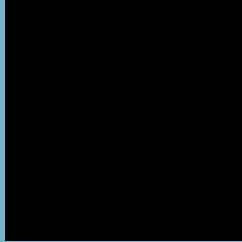
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

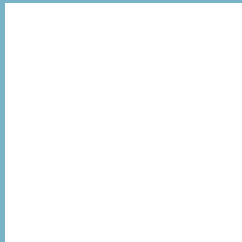
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 39.9574, 0.2538, 0.2984

Background



This preview shows how black text looks on a background with the Yxy color 39.9574, 0.2538, 0.2984.



This preview shows how white text looks on a background with the Yxy color 39.9574, 0.2538, 0.2984.

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

39.9574, 0.2538, 0.2984

Protanopia

39.8104, 0.2906, 0.2963

Deuteranopia

39.6096, 0.2861, 0.2800



Tritanopia

40.0124, 0.2570, 0.3083

Trichromacy



Original Color

39.9574, 0.2538, 0.2984

Protanomaly

39.8347, 0.2757, 0.2968

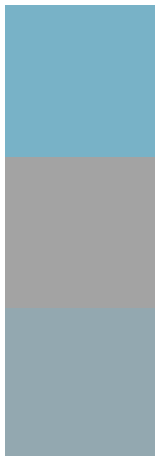
Deuteranomaly

39.5458, 0.2728, 0.2863

Tritanomaly

40.1023, 0.2558, 0.3055

Monochromacy



Original Color

39.9574, 0.2538, 0.2984

Achromatopsia

36.6253, 0.3127, 0.3290

Achromatomaly

37.3429, 0.2878, 0.3172

CSS Examples

Text

The CSS property to change the color of the text to Yxy 39.9574, 0.2538, 0.2984 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(120, 178, 199)` looks like.

```
.text, #text, p{  
    color:rgb(120, 178, 199)  
}
```

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(120, 178, 199) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(120, 178, 199) }
```

Border

The CSS property to change the border of an element to Yxy 39.9574, 0.2538, 0.2984 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(120, 178, 199) }
```

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

```
.border{ border-color:rgb(120, 178, 199) }
```

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

Here you see how a box with a 4 pixel `rgb(120, 178, 199)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(120, 178, 199); -webkit-box-  
shadow:4px 4px 4px 4px rgb(120, 178, 199);  
box-shadow:4px 4px 4px 4px rgb(120, 178,  
199) }
```


Background

The CSS property to change the background color of an element to Yxy 39.9574, 0.2538, 0.2984 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(120, 178, 199) }
```

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

```
.background{ background-color: rgb(120,  
178, 199) }
```

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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