

Converting Colors

$Y_{xy}(59.2932, 0.2399, 0.3483)$

Have a look what the booklet for
Yxy(59.2932, 0.2399, 0.3483)
contains.

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Color

Yxy(59.3040, 0.2399, 0.3479)

Conversions

Conversions Part 1

Format	Color
Hex	47E0D2
RGB	71, 224, 210
RGB Percent	28%, 88%, 82%
CMY	0.7210, 0.1216, 0.1765
CMYK	0.68, 0.00, 0.06, 0.12
HSL	175°, 71%, 58%
HSV	175°, 68%, 88%
XYZ	40.8940, 59.3040, 70.2648
YIQ	176.6570, -86.6940, -36.7900

Conversions

Conversions Part 2

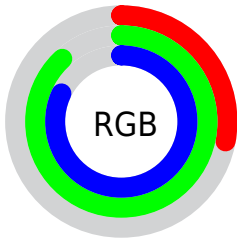
Format	Color
RYB	71, 151, 224
Decimal	4710610
CIELab	81.46, -42.61, -4.80
CIELCh	81, 42.883, 186.426
Yxy	59.3040, 0.2399, 0.3479
Android (android.graphics.Color)	4282900690 (0xFF47E0D2)
YUV	176.6570, 16.4381, -92.6612
Hunter-Lab	77.0091, -39.9773, -0.1911

Details

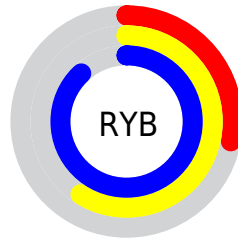
The Yxy color **59.3040, 0.2399, 0.3479** is a light color, and the websafe version is hex **00CCCC**. The color can be described as light muted cyan. A complement of this color would be **21.0280, 0.5208, 0.3161**, and the grayscale version is **43.7437, 0.3127, 0.3290**.

A 20% lighter version of the original color is **84.1433, 0.2512, 0.3288**, and **30.4056, 0.2308, 0.3508** is the 20% darker color. If you saturate the color by 10%, you get **58.5064, 0.2357, 0.3511**, and if you desaturate by 10%, it is **60.4196, 0.2460, 0.3448**.

Distribution



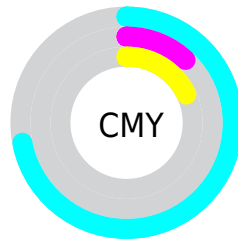
- Red (28%)
- Green (88%)
- Blue (82%)



- Red (28%)
- Yellow (59%)
- Blue (88%)



- Cyan (68%)
- Magenta (0%)
- Yellow (6%)
- Black (12%)





- Cyan (72%)
- Magenta (12%)
- Yellow (18%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 59.3040, 0.2399, 0.3479 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 59.3040, 0.2399, 0.3479 by changing the saturation by 10% instead.

 59.3040, 0.2399,
0.3479

 59.3040, 0.2399,
0.3479

422.0276, 0.2742,
0.3395


 42.8579, 0.2319,
0.3497


 103.8194, 0.2519,
0.3450


 29.7736, 0.2221,
0.3519


 132.6574, 0.2566,
0.3439

 19.6668, 0.2095,
0.3546


 166.3949, 0.2605,
0.3429

 12.1531, 0.1930,
0.3579

 205.4162, 0.2640,
0.3421

 6.8480, 0.1707,
0.3619

250.1057, 0.2670,
0.3413

 3.3672, 0.1389,
0.3664

300.8479, 0.2697,

 1.3263, 0.0483,

0.3406

0.3877

358.0270, 0.2721,
0.3400

■ 0.1615, 0.0000,
0.2400

■ 0.0000, 0.0000,
0.0000

■ 59.3040, 0.2399,
0.3479

■ 59.3040, 0.2399,
0.3479

■ 58.5064, 0.2357,
0.3511

■ 60.4196, 0.2460,
0.3448

■ 57.9838, 0.2334,
0.3542

■ 61.8771, 0.2540,
0.3417

■ 57.6862, 0.2328,
0.3573


■ 63.7059, 0.2638,
0.3387

■ 57.6435, 0.2327,
0.3578


■ 65.9303, 0.2750,
0.3359

 68.5726, 0.2876,
0.3333

 71.6534, 0.3011,
0.3309

 75.1921, 0.3152,
0.3286

 79.2067, 0.3298,
0.3266

 80.1951, 0.3318,
0.3246

Harmonies

Analogous

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



59.3040, 0.2836, 0.4006



59.3040, 0.2399, 0.3479



59.3040, 0.2163, 0.2943

Triad

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



59.3040, 0.2399, 0.3479



59.3040, 0.2806, 0.2475



59.3040, 0.4184, 0.3904

Complementary

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



59.3040, 0.2399, 0.3479



21.0280, 0.5208, 0.3161

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.



59.3040, 0.4197, 0.3485



59.3040, 0.2399, 0.3479



59.3040, 0.3359, 0.2702

Square

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



59.3040, 0.2399, 0.3479



59.3040, 0.2382, 0.2422



59.3040, 0.3886, 0.3060



59.3040, 0.3873, 0.4218

Rectangle

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



59.3040, 0.2399, 0.3479



59.3040, 0.2135, 0.2674



59.3040, 0.3886, 0.3060



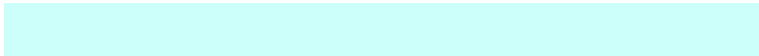
59.3040, 0.4226, 0.3770

Sweetspot

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



59.3063, 0.2399, 0.3479



91.2803, 0.2851, 0.3338



55.7634, 0.3090, 0.5440



19.3171, 0.2815, 0.3345



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.



59.3063, 0.2399, 0.3479



78.1465, 0.2345, 0.3524



32.8676, 0.2121, 0.2393



15.5496, 0.2994, 0.3311



33.5637, 0.2326, 0.3573



2.3329, 0.2313, 0.3525

Inverse Universe

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



21.0280, 0.5208, 0.3161



23.5883, 0.5830, 0.3186



32.8813, 0.4824, 0.3949



13.7208, 0.3278, 0.3269



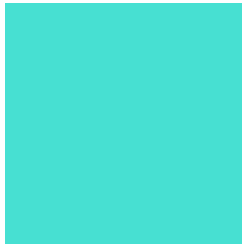
9.2620, 0.6293, 0.3240



0.6491, 0.6023, 0.3091

Previews

White Background



This preview shows how the Yxy color 59.3040, 0.2399, 0.3479 looks on a white background.

Color Contrast Check

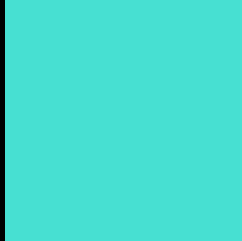
Large Text (above 18pt) WCAG AA × Fail

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 59.3040, 0.2399, 0.3479 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

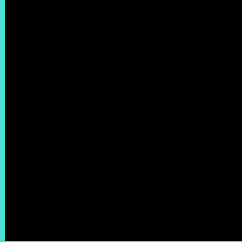
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

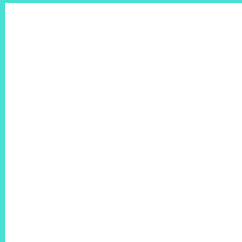
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 59.3040, 0.2399, 0.3479

Background



This preview shows how black text looks on a background with the Yxy color 59.3040, 0.2399, 0.3479.

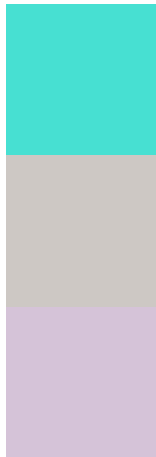


This preview shows how white text looks on a background with the Yxy color 59.3040, 0.2399, 0.3479.

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

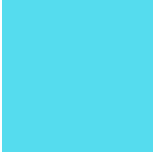
59.3040, 0.2399, 0.3479

Protanopia

58.2732, 0.3196, 0.3338

Deuteranopia

58.1342, 0.3115, 0.3051



Tritanopia

59.2907, 0.2307, 0.3056

Trichromacy



Original Color

59.3040, 0.2399, 0.3479



Protanomaly

56.8859, 0.2806, 0.3392



Deuteranomaly

56.5747, 0.2756, 0.3188



Tritanomaly

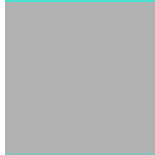
59.0198, 0.2337, 0.3195

Monochromacy



Original Color

59.3040, 0.2399, 0.3479



Achromatopsia

43.9657, 0.3127, 0.3290



Achromatomaly

47.7467, 0.2752, 0.3358

CSS Examples

Text

The CSS property to change the color of the text to Yxy 59.3040, 0.2399, 0.3479 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(71, 224, 210)` looks like.

```
.text, #text, p{  
    color:rgb(71, 224, 210)  
}
```

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(71, 224, 210) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(71, 224, 210) }
```

Border

The CSS property to change the border of an element to Yxy 59.3040, 0.2399, 0.3479 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(71, 224, 210) }
```

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

```
.border{ border-color:rgb(71, 224, 210) }
```

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

Here you see how a box with a 4 pixel `rgb(71, 224, 210)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(71, 224, 210); -webkit-box-  
shadow:4px 4px 4px 4px rgb(71, 224, 210);  
box-shadow:4px 4px 4px 4px rgb(71, 224,  
210) }
```


Background

The CSS property to change the background color of an element to Yxy 59.3040, 0.2399, 0.3479 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(71, 224, 210) }
```

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

```
.background{ background-color: rgb(71, 224,  
210) }
```

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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