

Converting Colors

$Y_{xy}(60.8892, 0.2250, 0.3195)$

Have a look what the booklet for
Yxy(60.8892, 0.2250, 0.3195)
contains.

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Color

Yxy(60.7072, 0.2249, 0.3195)

Conversions

Conversions Part 1

Format	Color
Hex	27E2E9
RGB	39, 226, 233
RGB Percent	15%, 89%, 91%
CMY	0.8484, 0.1137, 0.0862
CMYK	0.83, 0.03, 0.00, 0.09
HSL	182°, 82%, 53%
HSV	182°, 83%, 91%
XYZ	42.7325, 60.7072, 86.5671
YIQ	170.8850, -113.6990, -37.4670

Conversions

Conversions Part 2

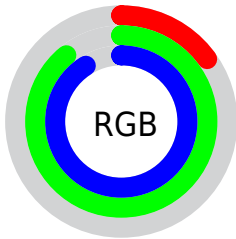
Format	Color
R_{YB}	39, 134, 233
Decimal	2613993
CIE _{Lab}	82.22, -40.33, -15.93
CIE _{LCh}	82, 43.361, 201.558
Yxy	60.7072, 0.2249, 0.3195
Android (android.graphics.Color)	4280804073 (0xFF27E2E9)
YUV	170.8850, 30.6227, -115.6631
Hunter-Lab	77.9148, -38.4522, -11.3337

Details

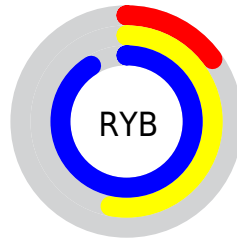
The Yxy color **60.7072, 0.2249, 0.3195** is a light color, and the websafe version is hex **00CCCC**. The color can be described as light washed cyan. A complement of this color would be **19.3981, 0.6010, 0.3337**, and the grayscale version is **40.5014, 0.3127, 0.3290**.

A 20% lighter version of the original color is **82.9510, 0.2457, 0.3288**, and **31.9238, 0.2213, 0.3167** is the 20% darker color. If you saturate the color by 10%, you get **59.9339, 0.2225, 0.3183**, and if you desaturate by 10%, it is **61.7653, 0.2291, 0.3207**.

Distribution



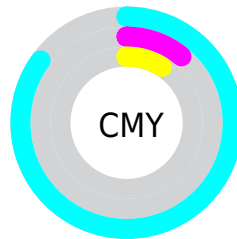
- Red (15%)
- Green (89%)
- Blue (91%)



- Red (15%)
- Yellow (53%)
- Blue (91%)



- Cyan (83%)
- Magenta (3%)
- Yellow (0%)
- Black (9%)





- Cyan (85%)
- Magenta (11%)
- Yellow (9%)


Brightness & Saturation Gradients


These gradients show how the Yxy color 60.7072, 0.2249, 0.3195 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 60.7072, 0.2249, 0.3195 by changing the saturation by 10% instead.


 60.7072, 0.2249,
0.3195


 60.7072, 0.2249,
0.3195


 427.1996, 0.2654,
0.3254


 43.9889, 0.2158,
0.3178


 105.8549, 0.2389,
0.3219

 30.6618, 0.2046,
0.3154


 135.0530, 0.2444,
0.3227

 20.3414, 0.1905,
0.3121


 169.1800, 0.2491,
0.3234

 12.6435, 0.1726,
0.3071

 208.6200, 0.2532,
0.3239

 7.1835, 0.1490,
0.2994

 253.7576, 0.2568,
0.3244

 3.5771, 0.1172,
0.2862

 304.9772, 0.2600,

 1.4399, 0.0557,

0.3248

0.2662

362.6630, 0.2629,
0.3251

0.2459, 0.0000,
0.1454

0.0000, 0.0000,
0.0000

60.7072, 0.2249,
0.3195

60.7072, 0.2249,
0.3195

59.9339, 0.2225,
0.3183

61.7653, 0.2291,
0.3207

59.5304, 0.2215,
0.3175

63.1459, 0.2352,
0.3219

64.8881, 0.2433,
0.3232

67.0236, 0.2532,
0.3244

69.5806, 0.2649,
0.3255

72.5849, 0.2780,
0.3266

76.0601, 0.2922,
0.3277

80.0281, 0.3074,
0.3287

84.5095, 0.3231,
0.3296

Harmonies

Analogous

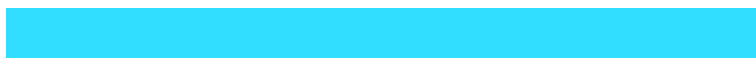
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



60.7072, 0.2593, 0.3759



60.7072, 0.2249, 0.3195



60.7072, 0.2129, 0.2729

Triad

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



60.7072, 0.2249, 0.3195



60.7072, 0.3077, 0.2568



60.7072, 0.4061, 0.4086

Complementary

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



60.7072, 0.2249, 0.3195



19.3981, 0.6010, 0.3337

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.



60.7072, 0.4236, 0.3703



60.7072, 0.2249, 0.3195



60.7072, 0.3642, 0.2869

Square

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



60.7072, 0.2249, 0.3195



60.7072, 0.2572, 0.2422



60.7072, 0.4083, 0.3270



60.7072, 0.3638, 0.4294

Rectangle

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



60.7072, 0.2249, 0.3195



60.7072, 0.2179, 0.2531



60.7072, 0.4083, 0.3270



60.7072, 0.4153, 0.3971

Sweetspot

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



60.7094, 0.2249, 0.3195



88.3923, 0.2756, 0.3265



58.9021, 0.2996, 0.5797



18.6346, 0.2709, 0.3261



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.



60.7094, 0.2249, 0.3195



73.0184, 0.2215, 0.3175



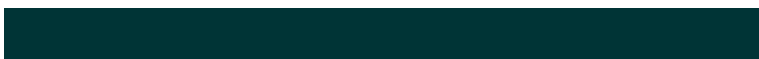
22.1040, 0.1865, 0.1759



17.0234, 0.2981, 0.3281



33.8147, 0.2216, 0.3177



2.6844, 0.2221, 0.3194

Inverse Universe

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



24.2468, 0.3282, 0.1656



27.9024, 0.3303, 0.1593



36.9107, 0.5004, 0.4227



15.3039, 0.3143, 0.3066



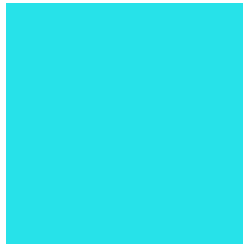
12.9064, 0.3301, 0.1592



1.0164, 0.3287, 0.1585

Previews

White Background



This preview shows how the Yxy color 60.7072, 0.2249, 0.3195 looks on a white background.

Color Contrast Check

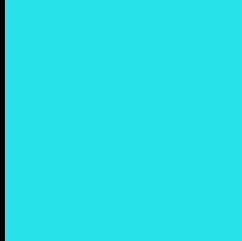
Large Text (above 18pt) WCAG AA × Fail

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 60.7072, 0.2249, 0.3195 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

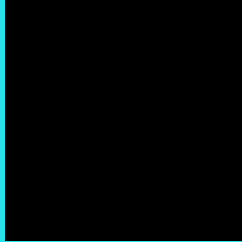
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 60.7072, 0.2249, 0.3195

Background



This preview shows how black text looks on a background with the Yxy color 60.7072, 0.2249, 0.3195.

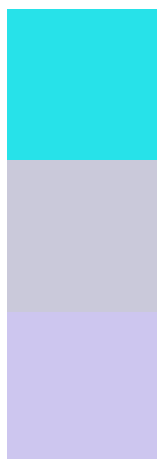


This preview shows how white text looks on a background with the Yxy color 60.7072, 0.2249, 0.3195.

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

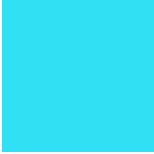
60.7072, 0.2249, 0.3195

Protanopia

59.3918, 0.3015, 0.3093

Deuteranopia

59.5993, 0.2895, 0.2831



Tritanopia

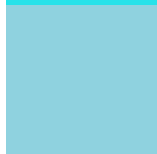
60.4353, 0.2220, 0.3042

Trichromacy



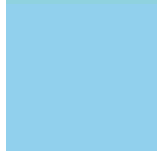
Original Color

60.7072, 0.2249, 0.3195



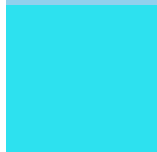
Protanomaly

57.2605, 0.2602, 0.3124



Deuteranomaly

57.2459, 0.2535, 0.2931



Tritanomaly

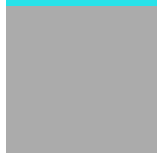
60.6403, 0.2232, 0.3105

Monochromacy



Original Color

60.7072, 0.2249, 0.3195



Achromatopsia

40.7240, 0.3127, 0.3290



Achromatomaly

45.3676, 0.2614, 0.3246

CSS Examples

Text

The CSS property to change the color of the text to Yxy 60.7072, 0.2249, 0.3195 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(39, 226, 233)` looks like.

```
.text, #text, p{  
  color:rgb(39, 226, 233)  
}
```

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(39, 226, 233) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(39, 226, 233) }
```

Border

The CSS property to change the border of an element to Yxy 60.7072, 0.2249, 0.3195 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(39, 226, 233) }
```

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

```
.border{ border-color:rgb(39, 226, 233) }
```

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

Here you see how a box with a 4 pixel `rgb(39, 226, 233)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(39, 226, 233); -webkit-box-  
shadow:4px 4px 4px 4px rgb(39, 226, 233);  
box-shadow:4px 4px 4px 4px rgb(39, 226,  
233) }
```


Background

The CSS property to change the background color of an element to Yxy 60.7072, 0.2249, 0.3195 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(39, 226, 233) }
```

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

```
.background{ background-color: rgb(39, 226,  
233) }
```

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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