

Converting Colors

$Y_{xy}(60.2970, 0.2233, 0.3206)$

Have a look what the booklet for
Yxy(60.2970, 0.2233, 0.3206)
contains.

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Color

Yxy(60.3574, 0.2234, 0.3208)

Conversions

Conversions Part 1

Format	Color
Hex	13E2E8
RGB	19, 226, 232
RGB Percent	7%, 89%, 91%
CMY	0.9240, 0.1137, 0.0903
CMYK	0.92, 0.03, 0.00, 0.09
HSL	182°, 85%, 49%
HSV	182°, 92%, 91%
XYZ	42.0319, 60.3574, 85.7572
YIQ	164.7910, -125.2980, -42.0180

Conversions

Conversions Part 2

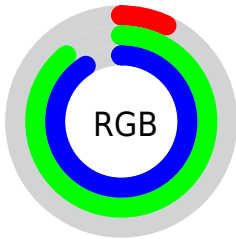
Format	Color
RYB	19, 124, 232
Decimal	1303272
CIELab	82.03, -41.62, -15.68
CIElCh	82, 44.473, 200.644
Yxy	60.3574, 0.2234, 0.3208
Android (android.graphics.Color)	4279493352 (0xFF13E2E8)
YUV	164.7910, 33.1340, -127.8587
Hunter-Lab	77.6900, -39.3853, -11.0635

Details

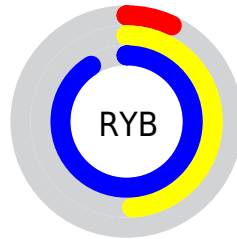
The Yxy color **60.3574, 0.2234, 0.3208** is a light color, and the websafe version is hex **00CCCC**. The color can be described as light washed cyan. A complement of this color would be **17.9094, 0.6253, 0.3319**, and the grayscale version is **37.4587, 0.3127, 0.3290**.

A 20% lighter version of the original color is **82.5219, 0.2436, 0.3288**, and **31.8840, 0.2218, 0.3184** is the 20% darker color. If you saturate the color by 10%, you get **59.9220, 0.2222, 0.3200**, and if you desaturate by 10%, it is **61.0768, 0.2261, 0.3217**.

Distribution



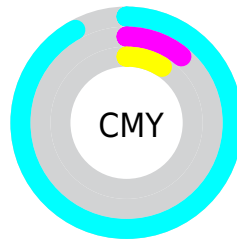
- Red (7%)
- Green (89%)
- Blue (91%)



- Red (7%)
- Yellow (49%)
- Blue (91%)



- Cyan (92%)
- Magenta (3%)
- Yellow (0%)
- Black (9%)




- Cyan (92%)
- Magenta (11%)
- Yellow (9%)


Brightness & Saturation Gradients

These gradients show how the Yxy color 60.3574, 0.2234, 0.3208 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 60.3574, 0.2234, 0.3208 by changing the saturation by 10% instead.

 60.3574, 0.2234,
0.3208


 60.3574, 0.2234,
0.3208


 425.9139, 0.2647,
0.3262


 43.7068, 0.2141,
0.3192


 105.3479, 0.2376,
0.3230

 30.4401, 0.2027,
0.3169


 134.4567, 0.2432,
0.3237

 20.1728, 0.1884,
0.3138


 168.4869, 0.2480,
0.3243

 12.5207, 0.1702,
0.3091

 207.8229, 0.2522,
0.3248

 7.0994, 0.1462,
0.3015

 252.8493, 0.2559,
0.3253

 3.5243, 0.1139,
0.2885

 303.9503, 0.2591,

 1.4112, 0.0478,

0.3256

0.2698

361.5104, 0.2620,
0.3259

■ 0.2250, 0.0000,
0.1391

■ 0.0000, 0.0000,
0.0000

■ 60.3574, 0.2234,
0.3208

■ 60.3574, 0.2234,
0.3208

■ 59.9220, 0.2222,
0.3200

■ 61.0768, 0.2261,
0.3217

■ 62.0790, 0.2305,
0.3227

■ 63.4086, 0.2369,
0.3236

■ 65.1009, 0.2452,
0.3246

67.1867, 0.2553,
0.3255

69.6933, 0.2672,
0.3264

72.6459, 0.2804,
0.3273

76.0674, 0.2949,
0.3281

79.9792, 0.3101,
0.3289

Harmonies

Analogous

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



60.3574, 0.2592, 0.3789



60.3574, 0.2234, 0.3208



60.3574, 0.2105, 0.2725

Triad

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



60.3574, 0.2234, 0.3208



60.3574, 0.3057, 0.2543



60.3574, 0.4095, 0.4095

Complementary

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



60.3574, 0.2234, 0.3208



17.9094, 0.6253, 0.3319

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.



60.3574, 0.4267, 0.3698



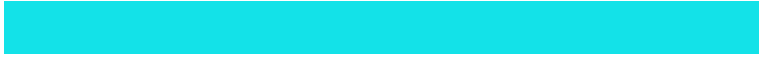
60.3574, 0.2234, 0.3208



60.3574, 0.3639, 0.2847

Square

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



60.3574, 0.2234, 0.3208



60.3574, 0.2544, 0.2399



60.3574, 0.4100, 0.3254



60.3574, 0.3666, 0.4320

Rectangle

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



60.3574, 0.2234, 0.3208



60.3574, 0.2151, 0.2518



60.3574, 0.4100, 0.3254



60.3574, 0.4187, 0.3975

Sweetspot

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



60.3596, 0.2234, 0.3208



87.9701, 0.2730, 0.3268



57.9014, 0.2999, 0.5931



18.5696, 0.2685, 0.3265



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.



60.3596, 0.2234, 0.3208



74.2544, 0.2222, 0.3200



19.9170, 0.1806, 0.1649



16.2632, 0.2982, 0.3283



33.3082, 0.2223, 0.3202



2.4834, 0.2227, 0.3215

Inverse Universe

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



23.1205, 0.3274, 0.1602



28.0272, 0.3282, 0.1582



32.9563, 0.5221, 0.4169



14.6079, 0.3142, 0.3065



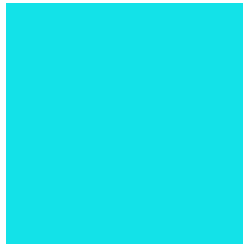
12.5602, 0.3280, 0.1581



0.9304, 0.3269, 0.1575

Previews

White Background



This preview shows how the Yxy color 60.3574, 0.2234, 0.3208 looks on a white background.

Color Contrast Check

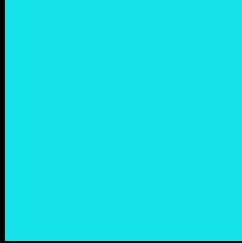
Large Text (above 18pt) WCAG AA × Fail

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 60.3574, 0.2234, 0.3208 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

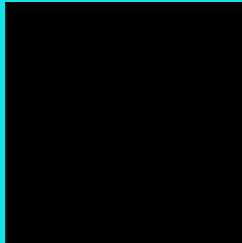
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 60.3574, 0.2234, 0.3208

Background



This preview shows how black text looks on a background with the Yxy color 60.3574, 0.2234, 0.3208.

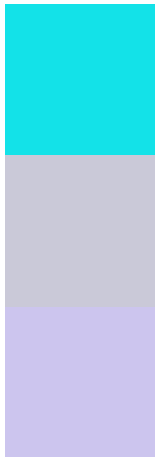


This preview shows how white text looks on a background with the Yxy color 60.3574, 0.2234, 0.3208.

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

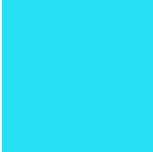
60.3574, 0.2234, 0.3208

Protanopia

59.2877, 0.3029, 0.3116

Deuteranopia

58.9429, 0.2894, 0.2829



Tritanopia

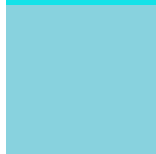
60.2137, 0.2206, 0.3041

Trichromacy



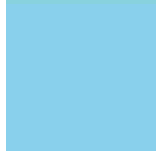
Original Color

60.3574, 0.2234, 0.3208



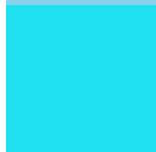
Protanomaly

56.6014, 0.2569, 0.3135



Deuteranomaly

56.4862, 0.2498, 0.2938



Tritanomaly

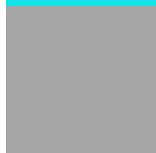
60.3895, 0.2216, 0.3104

Monochromacy



Original Color

60.3574, 0.2234, 0.3208



Achromatopsia

37.6262, 0.3127, 0.3290



Achromatomaly

42.6595, 0.2570, 0.3259

CSS Examples

Text

The CSS property to change the color of the text to Yxy 60.3574, 0.2234, 0.3208 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(19, 226, 232)` looks like.

```
.text, #text, p{  
  color:rgb(19, 226, 232)  
}
```

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(19, 226, 232) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(19, 226, 232) }
```

Border

The CSS property to change the border of an element to Yxy 60.3574, 0.2234, 0.3208 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(19, 226, 232) }
```

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

```
.border{ border-color:rgb(19, 226, 232) }
```

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

Here you see how a box with a 4 pixel `rgb(19, 226, 232)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(19, 226, 232); -webkit-box-  
shadow:4px 4px 4px 4px rgb(19, 226, 232);  
box-shadow:4px 4px 4px 4px rgb(19, 226,  
232) }
```


Background

The CSS property to change the background color of an element to Yxy 60.3574, 0.2234, 0.3208 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(19, 226, 232) }
```

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

```
.background{ background-color: rgb(19, 226,  
232) }
```

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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