

Converting Colors

$Y_{xy}(61.3767, 0.2232, 0.3235)$

Have a look what the booklet for
Yxy(61.3767, 0.2232, 0.3235)
contains.

Yxy(61.3130, 0.2232, 0.3234)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(61.3130, 0.2232, 0.3234)

Conversions

Conversions Part 1

Format	Color
Hex	01E4E8
RGB	1, 228, 232
RGB Percent	0%, 89%, 91%
CMY	0.9974, 0.1059, 0.0901
CMYK	1.00, 0.02, 0.00, 0.09
HSL	181°, 99%, 46%
HSV	181°, 100%, 91%
XYZ	42.3162, 61.3130, 85.9595
YIQ	160.5830, -136.5760, -46.8800

Conversions

Conversions Part 2

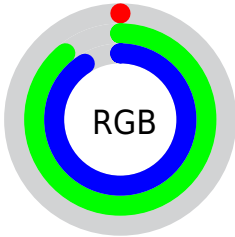
Format	Color
R_{YB}	1, 115, 232
Decimal	124136
CIE _{Lab}	82.55, -42.98, -14.94
CIE _{LCh}	83, 45.501, 199.164
Yxy	61.3130, 0.2232, 0.3234
Android (android.graphics.Color)	4278314216 (0xFF01E4E8)
YUV	160.5830, 35.2086, -139.9543
Hunter-Lab	78.3026, -40.5648, -10.2759

Details

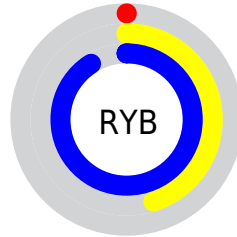
The Yxy color **61.3130, 0.2232, 0.3234** is a light color, and the websafe version is hex **00CCCC**. The color can be described as light washed cyan. A complement of this color would be **17.2618, 0.6387, 0.3307**, and the grayscale version is **35.2686, 0.3127, 0.3290**.

A 20% lighter version of the original color is **82.3174, 0.2426, 0.3288**, and **32.6396, 0.2227, 0.3219** is the 20% darker color. If you saturate the color by 10%, you get **61.3046, 0.2232, 0.3234**, and if you desaturate by 10%, it is **61.7257, 0.2246, 0.3240**.

Distribution



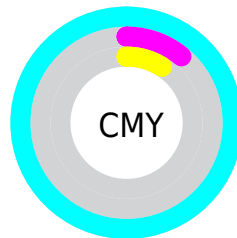
- Red (0%)
- Green (89%)
- Blue (91%)



- Red (0%)
- Yellow (45%)
- Blue (91%)



- Cyan (100%)
- Magenta (2%)
- Yellow (0%)
- Black (9%)





- Cyan (100%)
- Magenta (11%)
- Yellow (9%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 61.3130, 0.2232, 0.3234 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 61.3130, 0.2232, 0.3234 by changing the saturation by 10% instead.


 61.3130, 0.2232,
0.3234


 61.3130, 0.2232,
0.3234


 429.4207, 0.2645,
0.3275

 44.4778, 0.2139,
0.3221

 106.7320, 0.2374,
0.3251


 31.0463, 0.2025,
0.3202


 136.0846, 0.2430,
0.3257


 20.6341, 0.1883,
0.3175


 170.3785, 0.2478,
0.3262

 12.8568, 0.1702,
0.3135

 209.9980, 0.2520,
0.3266

 7.3300, 0.1463,
0.3069

 255.3276, 0.2557,
0.3269

 3.6693, 0.1143,
0.2952

 306.7517, 0.2589,

 1.4904, 0.0506,

0.3271

0.2783

364.6546, 0.2618,
0.3273

■ 0.2819, 0.0000,
0.1671

■ 0.0000, 0.0000,
0.0000

■ 61.3130, 0.2232,
0.3234

■ 61.3130, 0.2232,
0.3234

■ 61.3046, 0.2232,
0.3234

■ 61.7257, 0.2246,
0.3240

■ 62.3618, 0.2275,
0.3245

■ 63.2912, 0.2321,
0.3251

■ 64.5546, 0.2387,
0.3257

■ 66.1863, 0.2473,
0.3263

■ 68.2164, 0.2577,
0.3269

■ 70.6717, 0.2697,
0.3275

■ 73.5769, 0.2832,
0.3280

■ 76.9546, 0.2978,
0.3285

Harmonies

Analogous

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



61.3130, 0.2605, 0.3826



61.3130, 0.2232, 0.3234



61.3130, 0.2090, 0.2734

Triad

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



61.3130, 0.2232, 0.3234



61.3130, 0.3026, 0.2520



61.3130, 0.4127, 0.4090

Complementary

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



61.3130, 0.2232, 0.3234



17.2618, 0.6387, 0.3307

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.



61.3130, 0.4287, 0.3681



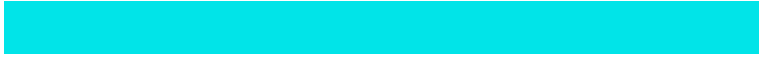
61.3130, 0.2232, 0.3234



61.3130, 0.3620, 0.2821

Square

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



61.3130, 0.2232, 0.3234



61.3130, 0.2513, 0.2383



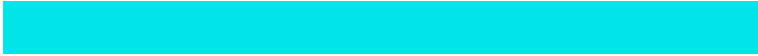
61.3130, 0.4100, 0.3231



61.3130, 0.3699, 0.4333

Rectangle

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



61.3130, 0.2232, 0.3234



61.3130, 0.2129, 0.2516



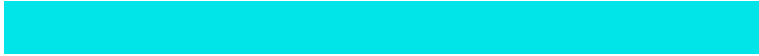
61.3130, 0.4100, 0.3231



61.3130, 0.4216, 0.3965

Sweetspot

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



61.3153, 0.2232, 0.3234



87.4186, 0.2692, 0.3274



57.7368, 0.2998, 0.5990



18.4232, 0.2639, 0.3272



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.



61.3153, 0.2232, 0.3234



75.9440, 0.2232, 0.3234



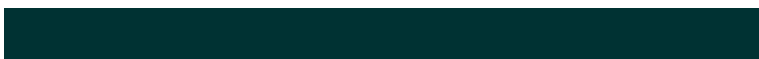
17.5269, 0.1751, 0.1503



16.2911, 0.2982, 0.3285



34.0491, 0.2232, 0.3235



2.5299, 0.2234, 0.3243

Inverse Universe

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



22.7741, 0.3253, 0.1567



28.1977, 0.3254, 0.1566



30.6402, 0.5373, 0.4113



14.6107, 0.3141, 0.3062



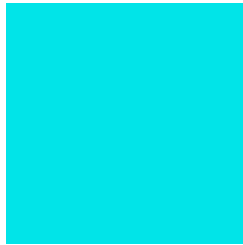
12.6350, 0.3253, 0.1566



0.9351, 0.3246, 0.1562

Previews

White Background



This preview shows how the Yxy color 61.3130, 0.2232, 0.3234 looks on a white background.

Color Contrast Check

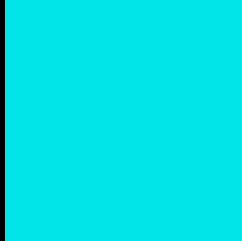
Large Text (above 18pt) WCAG AA × Fail

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 61.3130, 0.2232, 0.3234 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

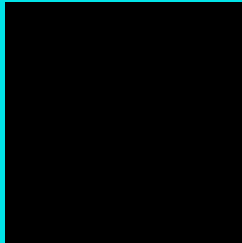
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 61.3130, 0.2232, 0.3234

Background



This preview shows how black text looks on a background with the Yxy color 61.3130, 0.2232, 0.3234.

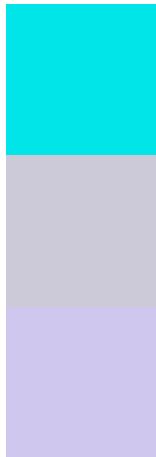


This preview shows how white text looks on a background with the Yxy color 61.3130, 0.2232, 0.3234.

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

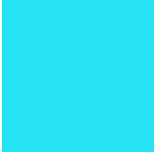
61.3195, 0.2232, 0.3234

Protanopia

60.0363, 0.3044, 0.3128

Deuteranopia

60.2853, 0.2917, 0.2855



Tritanopia

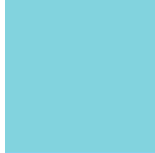
61.3177, 0.2207, 0.3055

Trichromacy



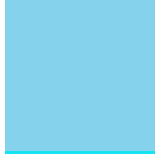
Original Color

61.3195, 0.2232, 0.3234



Protanomaly

56.6083, 0.2539, 0.3146



Deuteranomaly

57.0548, 0.2477, 0.2962



Tritanomaly

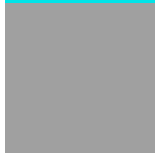
61.4236, 0.2212, 0.3118

Monochromacy



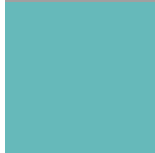
Original Color

61.3195, 0.2232, 0.3234



Achromatopsia

35.1533, 0.3127, 0.3290



Achromatomaly

41.0679, 0.2526, 0.3273

CSS Examples

Text

The CSS property to change the color of the text to Yxy 61.3130, 0.2232, 0.3234 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(1, 228, 232)` looks like.

```
.text, #text, p{  
    color:rgb(1, 228, 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(1, 228, 232) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(1, 228, 232) }
```

Border

The CSS property to change the border of an element to Yxy 61.3130, 0.2232, 0.3234 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(1, 228, 232) }
```

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

```
.border{ border-color:rgb(1, 228, 232) }
```

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

Here you see how a box with a 4 pixel `rgb(1, 228, 232)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(1, 228, 232); -webkit-box-  
shadow:4px 4px 4px 4px rgb(1, 228, 232);  
box-shadow:4px 4px 4px 4px rgb(1, 228,  
232) }
```


Background

The CSS property to change the background color of an element to Yxy 61.3130, 0.2232, 0.3234 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(1, 228, 232) }
```

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

```
.background{ background-color: rgb(1, 228,  
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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor