

Converting Colors

$Y_{xy}(60.9112, 0.2265, 0.3310)$

Have a look what the booklet for
Yxy(60.9112, 0.2265, 0.3310)
contains.

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Color

Yxy(61.1600, 0.2266, 0.3314)

Conversions

Conversions Part 1

Format	Color
Hex	17E4E2
RGB	23, 228, 226
RGB Percent	9%, 89%, 89%
CMY	0.9115, 0.1058, 0.1136
CMYK	0.90, 0.00, 0.01, 0.11
HSL	179°, 82%, 49%
HSV	179°, 90%, 89%
XYZ	41.8191, 61.1600, 81.5713
YIQ	166.4770, -121.5380, -44.0820

Conversions

Conversions Part 2

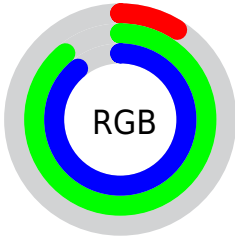
Format	Color
R _Y B	23, 126, 228
Decimal	1565922
CIE Lab	82.46, -44.13, -11.88
CIE LCh	82, 45.697, 195.066
Yxy	61.1600, 0.2266, 0.3314
Android (android.graphics.Color)	4279756002 (0xFF17E4E2)
YUV	166.4770, 29.3448, -125.8293
Hunter-Lab	78.2049, -41.4078, -7.0988

Details

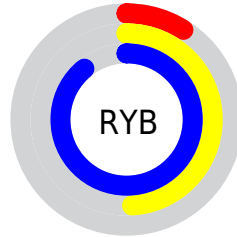
The Yxy color **61.1600, 0.2266, 0.3314** is a light color, and the websafe version is hex **00CCCC**. The color can be described as light washed cyan. A complement of this color would be **17.1593, 0.6229, 0.3292**, and the grayscale version is **38.2123, 0.3127, 0.3290**.

A 20% lighter version of the original color is **82.5219, 0.2436, 0.3288**, and **32.4453, 0.2251, 0.3305** is the 20% darker color. If you saturate the color by 10%, you get **60.9734, 0.2255, 0.3317**, and if you desaturate by 10%, it is **61.5635, 0.2291, 0.3311**.

Distribution



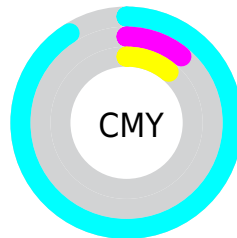
- Red (9%)
- Green (89%)
- Blue (89%)



- Red (9%)
- Yellow (49%)
- Blue (89%)



- Cyan (90%)
- Magenta (0%)
- Yellow (1%)
- Black (11%)





- Cyan (91%)
- Magenta (11%)
- Yellow (11%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 61.1600, 0.2266, 0.3314 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 61.1600, 0.2266, 0.3314 by changing the saturation by 10% instead.


 61.1600, 0.2266,
0.3314


 61.1600, 0.2266,
0.3314


428.8604, 0.2665,
0.3315


 44.3543, 0.2176,
0.3310


 106.5106, 0.2404,
0.3317

 30.9491, 0.2065,
0.3304


 135.8242, 0.2458,
0.3317


 20.5601, 0.1926,
0.3293


 170.0760, 0.2504,
0.3317

 12.8029, 0.1747,
0.3274

 209.6503, 0.2545,
0.3317

 7.2929, 0.1510,
0.3238

 254.9315, 0.2580,
0.3317

 3.6460, 0.1189,
0.3164

306.3040, 0.2612,

 1.4776, 0.0489,

0.3316

0.3082

364.1521, 0.2640,
0.3316

■ 0.2729, 0.0000,
0.1935

■ 0.0000, 0.0000,
0.0000

■ 61.1600, 0.2266,
0.3314

■ 61.1600, 0.2266,
0.3314

■ 60.9734, 0.2255,
0.3317

■ 61.5635, 0.2291,
0.3311

■ 62.2442, 0.2335,
0.3308

■ 63.2438, 0.2398,
0.3305

■ 64.5952, 0.2480,
0.3302

■ 66.3274, 0.2580,
0.3299

■ 68.4663, 0.2698,
0.3297

■ 71.0355, 0.2830,
0.3294

■ 74.0568, 0.2973,
0.3292

■ 77.5507, 0.3125,
0.3290

Harmonies

Analogous

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



61.1600, 0.2669, 0.3904



61.1600, 0.2266, 0.3314



61.1600, 0.2090, 0.2788

Triad

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



61.1600, 0.2266, 0.3314



61.1600, 0.2947, 0.2487



61.1600, 0.4172, 0.4044

Complementary

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



61.1600, 0.2266, 0.3314



17.1593, 0.6229, 0.3292

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.



61.1600, 0.4288, 0.3621



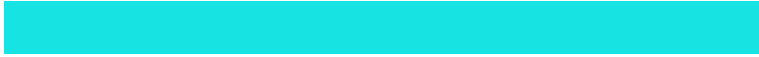
61.1600, 0.2266, 0.3314



61.1600, 0.3543, 0.2770

Square

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



61.1600, 0.2266, 0.3314



61.1600, 0.2452, 0.2375



61.1600, 0.4054, 0.3170



61.1600, 0.3772, 0.4321

Rectangle

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



61.1600, 0.2266, 0.3314



61.1600, 0.2107, 0.2549



61.1600, 0.4054, 0.3170



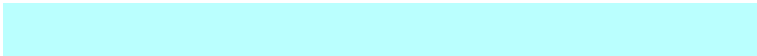
61.1600, 0.4248, 0.3912

Sweetspot

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



61.1623, 0.2266, 0.3314



89.1552, 0.2735, 0.3296



55.7723, 0.3008, 0.5923



18.8551, 0.2692, 0.3297



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.



61.1623, 0.2266, 0.3314



78.5825, 0.2255, 0.3317



21.4028, 0.1848, 0.1785



16.3339, 0.2983, 0.3292



35.2056, 0.2255, 0.3317



2.6023, 0.2253, 0.3312

Inverse Universe

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



17.1593, 0.6229, 0.3292



21.2654, 0.6394, 0.3296



30.4406, 0.5273, 0.4106



14.3702, 0.3291, 0.3288



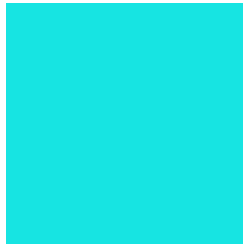
9.5280, 0.6390, 0.3294



0.7049, 0.6360, 0.3277

Previews

White Background



This preview shows how the Yxy color 61.1600, 0.2266, 0.3314 looks on a white background.

Color Contrast Check

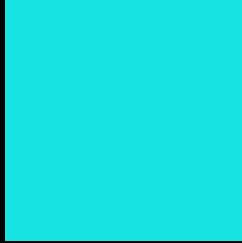
Large Text (above 18pt) WCAG AA × Fail

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 61.1600, 0.2266, 0.3314 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

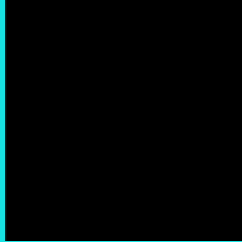
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 61.1600, 0.2266, 0.3314

Background



This preview shows how black text looks on a background with the Yxy color 61.1600, 0.2266, 0.3314.

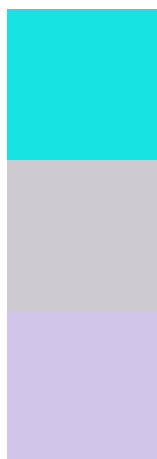


This preview shows how white text looks on a background with the Yxy color 61.1600, 0.2266, 0.3314.

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

61.1600, 0.2266, 0.3314

Protanopia

59.8733, 0.3093, 0.3197

Deuteranopia

59.8267, 0.2964, 0.2898



Tritanopia

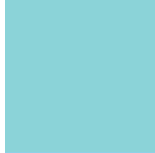
61.0105, 0.2218, 0.3043

Trichromacy



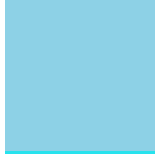
Original Color

61.1600, 0.2266, 0.3314



Protanomaly

57.0354, 0.2619, 0.3224



Deuteranomaly

56.9768, 0.2552, 0.3025



Tritanomaly

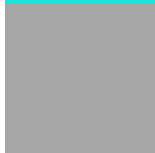
60.9385, 0.2235, 0.3143

Monochromacy



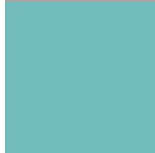
Original Color

61.1600, 0.2266, 0.3314



Achromatopsia

38.1326, 0.3127, 0.3290



Achromatomaly

43.6034, 0.2592, 0.3303

CSS Examples

Text

The CSS property to change the color of the text to Yxy 61.1600, 0.2266, 0.3314 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(23, 228, 226)` looks like.

```
.text, #text, p{  
    color:rgb(23, 228, 226)  
}
```

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(23, 228, 226) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(23, 228, 226) }
```

Border

The CSS property to change the border of an element to Yxy 61.1600, 0.2266, 0.3314 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(23, 228, 226) }
```

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

```
.border{ border-color:rgb(23, 228, 226) }
```

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

Here you see how a box with a 4 pixel `rgb(23, 228, 226)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(23, 228, 226); -webkit-box-  
shadow:4px 4px 4px 4px rgb(23, 228, 226);  
box-shadow:4px 4px 4px 4px rgb(23, 228,  
226) }
```


Background

The CSS property to change the background color of an element to Yxy 61.1600, 0.2266, 0.3314 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(23, 228, 226) }
```

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

```
.background{ background-color: rgb(23, 228,  
226) }
```

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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