

Converting Colors

$Y_{xy}(60.7222, 0.2342, 0.3630)$

Have a look what the booklet for
Yxy(60.7222, 0.2342, 0.3630)
contains.

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Color

Yxy(60.4529, 0.2340, 0.3623)

Conversions

Conversions Part 1

Format	Color
Hex	00E5CD
RGB	0, 229, 205
RGB Percent	0%, 90%, 80%
CMY	0.9981, 0.1019, 0.1961
CMYK	1.00, 0.00, 0.10, 0.10
HSL	174°, 100%, 45%
HSV	174°, 100%, 90%
XYZ	39.0449, 60.4529, 67.3608
YIQ	157.7930, -128.7800, -56.0120

Conversions

Conversions Part 2

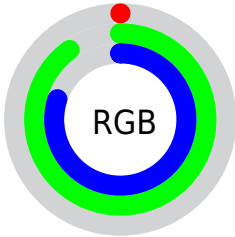
Format	Color
RYB	0, 121, 229
Decimal	58829
CIELab	82.08, -51.09, -1.31
CIELCh	82, 51.103, 181.465
Yxy	60.4529, 0.2340, 0.3623
Android (android.graphics.Color)	4278248909 (0xFF00E5CD)
YUV	157.7930, 23.2731, -138.3845
Hunter-Lab	77.7515, -46.4266, 3.0595

Details

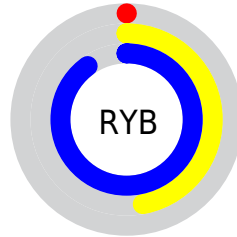
The Yxy color **60.4529, 0.2340, 0.3623** is a dark color, and the websafe version is hex **00FFFF**. The color can be described as middle washed cyan. A complement of this color would be **16.7384, 0.6292, 0.3241**, and the grayscale version is **34.1012, 0.3127, 0.3290**.

A 20% lighter version of the original color is **82.1195, 0.2417, 0.3288**, and **31.7394, 0.2354, 0.3673** is the 20% darker color. If you saturate the color by 10%, you get **60.4496, 0.2340, 0.3624**, and if you desaturate by 10%, it is **60.7560, 0.2344, 0.3587**.

Distribution



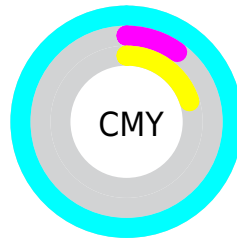
- Red (0%)
- Green (90%)
- Blue (80%)



- Red (0%)
- Yellow (47%)
- Blue (90%)



- Cyan (100%)
- Magenta (0%)
- Yellow (10%)
- Black (10%)



- Cyan (100%)
- Magenta (10%)
- Yellow (20%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 60.4529, 0.2340, 0.3623 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 60.4529, 0.2340, 0.3623 by changing the saturation by 10% instead.


 60.4529, 0.2340,
0.3623


 60.4529, 0.2340,
0.3623


426.2651, 0.2711,
0.3468

 43.7838, 0.2254,
0.3659


 105.4864, 0.2470,
0.3569

 30.5006, 0.2148,
0.3702


 134.6195, 0.2520,
0.3548

 20.2188, 0.2012,
0.3758


 168.6762, 0.2563,
0.3530

 12.5542, 0.1835,
0.3830

 208.0406, 0.2601,
0.3514

 7.1223, 0.1596,
0.3925

 253.0974, 0.2633,
0.3500

 3.5387, 0.1260,
0.4056

304.2308, 0.2662,

 1.4190, 0.0078,

0.3488

0.4553

361.8252, 0.2688,
0.3477

■ 0.2307, 0.0000,
0.4024

■ 0.0000, 0.0000,
0.0000

■ 60.4529, 0.2340,
0.3623

■ 60.4529, 0.2340,
0.3623

■ 60.4496, 0.2340,
0.3624

■ 60.7560, 0.2344,
0.3587

■ 61.2757, 0.2363,
0.3551

■ 62.0810, 0.2400,
0.3514

■ 63.2114, 0.2457,
0.3478

■ 64.7000, 0.2533,
0.3442

■ 66.5760, 0.2627,
0.3408

■ 68.8656, 0.2737,
0.3375

■ 71.5925, 0.2859,
0.3344

■ 74.7788, 0.2991,
0.3316

Harmonies

Analogous

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



60.4529, 0.2875, 0.4236



60.4529, 0.2340, 0.3623



60.4529, 0.2032, 0.2963

Triad

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



60.4529, 0.2340, 0.3623



60.4529, 0.2651, 0.2321



60.4529, 0.4400, 0.3912

Complementary

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



60.4529, 0.2340, 0.3623



16.7384, 0.6292, 0.3241

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.



60.4529, 0.4360, 0.3417



60.4529, 0.2340, 0.3623



60.4529, 0.3284, 0.2552

Square

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



60.4529, 0.2340, 0.3623



60.4529, 0.2199, 0.2292



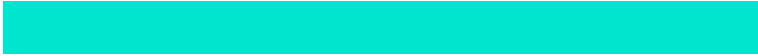
60.4529, 0.3934, 0.2939



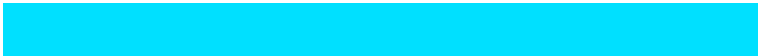
60.4529, 0.4073, 0.4326

Rectangle

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



60.4529, 0.2340, 0.3623



60.4529, 0.1973, 0.2625



60.4529, 0.3934, 0.2939



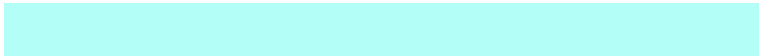
60.4529, 0.4432, 0.3750

Sweetspot

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



60.4552, 0.2340, 0.3623



87.7571, 0.2732, 0.3376



56.2808, 0.3025, 0.5979



18.5061, 0.2684, 0.3390



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.



60.4552, 0.2340, 0.3623



77.1323, 0.2341, 0.3626



24.8315, 0.1880, 0.1967



16.3089, 0.2996, 0.3315



34.5690, 0.2338, 0.3618



2.5621, 0.2324, 0.3565

Inverse Universe

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



16.7384, 0.6292, 0.3241



21.3382, 0.6304, 0.3246



23.6545, 0.5762, 0.3805



14.3925, 0.3276, 0.3266



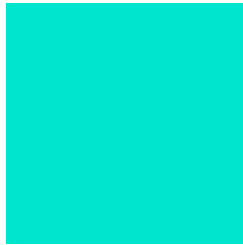
9.5704, 0.6273, 0.3230



0.7156, 0.5989, 0.3073

Previews

White Background



This preview shows how the Yxy color 60.4529, 0.2340, 0.3623 looks on a white background.

Color Contrast Check

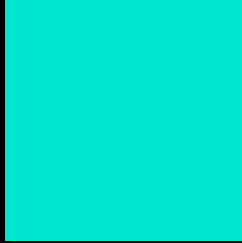
Large Text (above 18pt) WCAG AA × Fail

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 60.4529, 0.2340, 0.3623 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

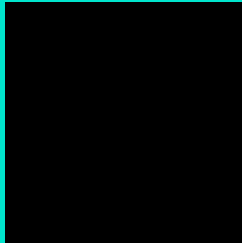
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 60.4529, 0.2340, 0.3623

Background



This preview shows how black text looks on a background with the Yxy color 60.4529, 0.2340, 0.3623.

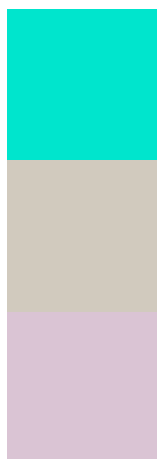


This preview shows how white text looks on a background with the Yxy color 60.4529, 0.2340, 0.3623.

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

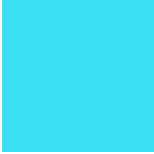
60.4464, 0.2340, 0.3623

Protanopia

59.5141, 0.3270, 0.3431

Deuteranopia

59.1387, 0.3183, 0.3109



Tritanopia

60.6519, 0.2241, 0.3055

Trichromacy



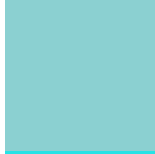
Original Color

60.4464, 0.2340, 0.3623



Protanomaly

56.0136, 0.2704, 0.3517



Deuteranomaly

55.2042, 0.2653, 0.3275



Tritanomaly

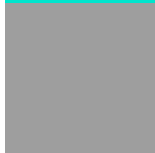
60.4619, 0.2263, 0.3248

Monochromacy



Original Color

60.4464, 0.2340, 0.3623



Achromatopsia

34.1914, 0.3127, 0.3290



Achromatomaly

40.1428, 0.2583, 0.3428

CSS Examples

Text

The CSS property to change the color of the text to Yxy 60.4529, 0.2340, 0.3623 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(0, 229, 205)` looks like.

```
.text, #text, p{  
  color:rgb(0, 229, 205)  
}
```

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(0, 229, 205) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 229, 205) }
```

Border

The CSS property to change the border of an element to Yxy 60.4529, 0.2340, 0.3623 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(0, 229, 205) }
```

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

```
.border{ border-color:rgb(0, 229, 205) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 229, 205)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 229, 205); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 229, 205);  
box-shadow:4px 4px 4px 4px rgb(0, 229,  
205) }
```


Background

The CSS property to change the background color of an element to Yxy 60.4529, 0.2340, 0.3623 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 229, 205) }
```

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

```
.background{ background-color: rgb(0, 229,  
205) }
```

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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