

Converting Colors

$Yxy(57.7937, 0.2011, 0.3503)$

Have a look what the booklet for
Yxy(57.7937, 0.2011, 0.3503)
contains.

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Color

Yxy(61.4999, 0.2304, 0.3493)

Conversions

Conversions Part 1

Format	Color
Hex	01E6D7
RGB	1, 230, 215
RGB Percent	0%, 90%, 84%
CMY	0.9971, 0.0980, 0.1570
CMYK	1.00, 0.00, 0.07, 0.10
HSL	176°, 99%, 45%
HSV	176°, 100%, 90%
XYZ	40.5656, 61.4999, 74.0006
YIQ	159.8190, -131.6690, -53.2130

Conversions

Conversions Part 2

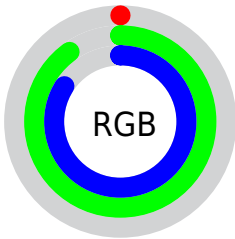
Format	Color
RYB	1, 119, 230
Decimal	124631
CIELab	82.65, -48.75, -5.76
CIELCh	83, 49.088, 186.740
Yxy	61.4999, 0.2304, 0.3493
Android (android.graphics.Color)	4278314711 (0xFF01E6D7)
YUV	159.8190, 27.2042, -139.2843
Hunter-Lab	78.4219, -44.9048, -1.0520

Details

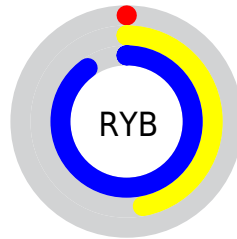
The Yxy color **61.4999, 0.2304, 0.3493** is a light color, and the websafe version is hex **00FFFF**. The color can be described as light washed cyan. A complement of this color would be **16.8757, 0.6341, 0.3269**, and the grayscale version is **34.9449, 0.3127, 0.3290**.

A 20% lighter version of the original color is **82.2507, 0.2423, 0.3288**, and **32.4252, 0.2311, 0.3520** is the 20% darker color. If you saturate the color by 10%, you get **61.4949, 0.2304, 0.3494**, and if you desaturate by 10%, it is **61.7664, 0.2311, 0.3471**.

Distribution



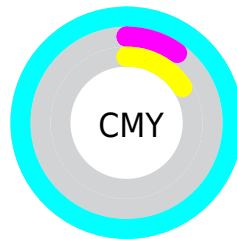
- Red (0%)
- Green (90%)
- Blue (84%)



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



- Cyan (100%)
- Magenta (0%)
- Yellow (7%)
- Black (10%)





- Cyan (100%)
- Magenta (10%)
- Yellow (16%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 61.4999, 0.2304, 0.3493 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 61.4999, 0.2304, 0.3493 by changing the saturation by 10% instead.


 61.4999, 0.2304,
0.3493

 61.4999, 0.2304,
0.3493

430.1045, 0.2688,
0.3405

 44.6287, 0.2216,
0.3512


 107.0024, 0.2437,
0.3464

 31.1651, 0.2108,
0.3533


 136.4026, 0.2489,
0.3452


 20.7246, 0.1971,
0.3559


 170.7478, 0.2534,
0.3441

 12.9228, 0.1794,
0.3590

 210.4226, 0.2573,
0.3432

 7.3754, 0.1558,
0.3625

 255.8112, 0.2607,
0.3424

 3.6980, 0.1231,
0.3659

307.2982, 0.2637,

 1.5061, 0.0358,

0.3417

0.3832

365.2678, 0.2664,
0.3410

■ 0.2930, 0.0000,
0.2887

■ 0.0000, 0.0000,
0.0000

■ 61.4999, 0.2304,
0.3493

■ 61.4999, 0.2304,
0.3493


■ 61.4949, 0.2304,
0.3494

■ 61.7664, 0.2311,
0.3471


■ 62.2522, 0.2333,
0.3449


■ 63.0258, 0.2374,
0.3427


■ 64.1271, 0.2434,
0.3405

 65.5895, 0.2513,
0.3383

 67.4425, 0.2610,
0.3362

 69.7123, 0.2723,
0.3342

 72.4231, 0.2850,
0.3323

 75.5971, 0.2987,
0.3306

Harmonies

Analogous

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



61.4999, 0.2787, 0.4105



61.4999, 0.2304, 0.3493



61.4999, 0.2049, 0.2885

Triad

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



61.4999, 0.2304, 0.3493



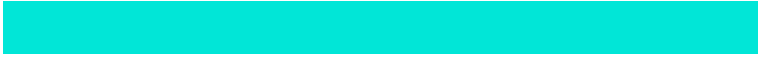
61.4999, 0.2769, 0.2384



61.4999, 0.4314, 0.3971

Complementary

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



61.4999, 0.2304, 0.3493



16.8757, 0.6341, 0.3269

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.



61.4999, 0.4340, 0.3501



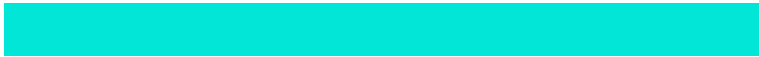
61.4999, 0.2304, 0.3493



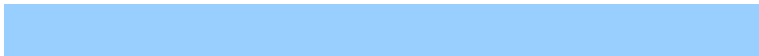
61.4999, 0.3392, 0.2638

Square

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



61.4999, 0.2304, 0.3493



61.4999, 0.2297, 0.2321



61.4999, 0.3991, 0.3032



61.4999, 0.3954, 0.4333

Rectangle

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



61.4999, 0.2304, 0.3493



61.4999, 0.2022, 0.2588



61.4999, 0.3991, 0.3032



61.4999, 0.4365, 0.3820

Sweetspot

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



61.5022, 0.2304, 0.3493



87.9454, 0.2717, 0.3343



56.7048, 0.3012, 0.5989



18.5519, 0.2668, 0.3351



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.



61.5022, 0.2304, 0.3493



77.7097, 0.2304, 0.3495



21.8582, 0.1831, 0.1790



16.3192, 0.2990, 0.3305



34.8227, 0.2303, 0.3490



2.5782, 0.2294, 0.3458

Inverse Universe

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



16.8757, 0.6341, 0.3269



21.2996, 0.6351, 0.3272



25.9558, 0.5617, 0.3919



14.3832, 0.3282, 0.3275



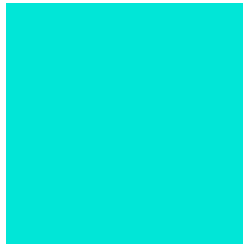
9.5501, 0.6329, 0.3260



0.7111, 0.6135, 0.3154

Previews

White Background



This preview shows how the Yxy color 61.4999, 0.2304, 0.3493 looks on a white background.

Color Contrast Check

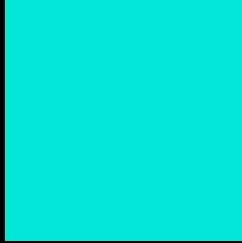
Large Text (above 18pt) WCAG AA × Fail

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 61.4999, 0.2304, 0.3493 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

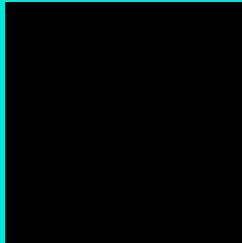
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 61.4999, 0.2304, 0.3493

Background



This preview shows how black text looks on a background with the Yxy color 61.4999, 0.2304, 0.3493.

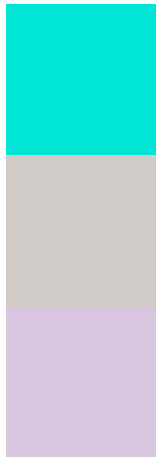


This preview shows how white text looks on a background with the Yxy color 61.4999, 0.2304, 0.3493.

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

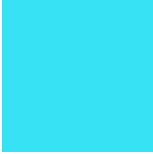
61.5064, 0.2304, 0.3493

Protanopia

60.3907, 0.3202, 0.3337

Deuteranopia

60.2610, 0.3093, 0.3021



Tritanopia

61.7086, 0.2231, 0.3057

Trichromacy



Original Color

61.5064, 0.2304, 0.3493



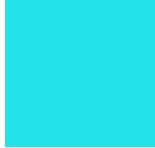
Protanomaly

56.9828, 0.2650, 0.3394



Deuteranomaly

56.6109, 0.2596, 0.3173



Tritanomaly

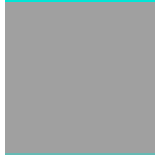
61.1787, 0.2248, 0.3208

Monochromacy



Original Color

61.5064, 0.2304, 0.3493



Achromatopsia

35.1533, 0.3127, 0.3290



Achromatomaly

40.8180, 0.2561, 0.3365

CSS Examples

Text

The CSS property to change the color of the text to Yxy 61.4999, 0.2304, 0.3493 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, 230, 215)` looks like.

```
.text, #text, p{  
    color:rgb(1, 230, 215)  
}
```

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, 230, 215) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(1, 230, 215) }
```

Border

The CSS property to change the border of an element to Yxy 61.4999, 0.2304, 0.3493 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, 230, 215) }
```

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

```
.border{ border-color:rgb(1, 230, 215) }
```

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

Here you see how a box with a 4 pixel `rgb(1, 230, 215)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(1, 230, 215); -webkit-box-  
shadow:4px 4px 4px 4px rgb(1, 230, 215);  
box-shadow:4px 4px 4px 4px rgb(1, 230,  
215) }
```


Background

The CSS property to change the background color of an element to Yxy 61.4999, 0.2304, 0.3493 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(1, 230, 215) }
```

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

```
.background{ background-color: rgb(1, 230,  
215) }
```

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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