

Converting Colors

$Yxy(63.9994, 0.2328, 0.3579)$

Have a look what the booklet for
Yxy(63.9994, 0.2328, 0.3579)
contains.

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Color

Yxy(64.2272, 0.2330, 0.3586)

Conversions

Conversions Part 1

Format	Color
Hex	01EBD5
RGB	1, 235, 213
RGB Percent	0%, 92%, 84%
CMY	0.9956, 0.0784, 0.1647
CMYK	1.00, 0.00, 0.09, 0.08
HSL	174°, 99%, 46%
HSV	174°, 100%, 92%
XYZ	41.7316, 64.2272, 73.1466
YIQ	162.5260, -132.4020, -56.4500

Conversions

Conversions Part 2

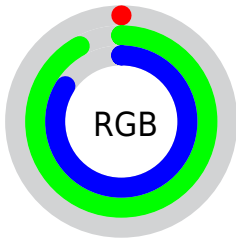
Format	Color
RYB	1, 124, 235
Decimal	125909
CIELab	84.08, -51.37, -2.60
CIELCh	84, 51.437, 182.902
Yxy	64.2272, 0.2330, 0.3586
Android (android.graphics.Color)	4278315989 (0xFF01EBD5)
YUV	162.5260, 24.8837, -141.6583
Hunter-Lab	80.1419, -47.2996, 1.9845

Details

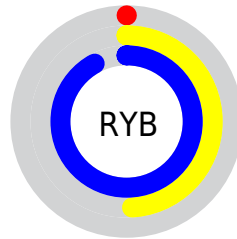
The Yxy color **64.2272, 0.2330, 0.3586** is a light color, and the websafe version is hex **00FFFF**. The color can be described as light washed cyan. A complement of this color would be **17.7496, 0.6305, 0.3250**, and the grayscale version is **36.3383, 0.3127, 0.3290**.

A 20% lighter version of the original color is **82.2507, 0.2423, 0.3288**, and **34.3094, 0.2345, 0.3642** is the 20% darker color. If you saturate the color by 10%, you get **64.2169, 0.2330, 0.3588**, and if you desaturate by 10%, it is **64.5374, 0.2335, 0.3554**.

Distribution



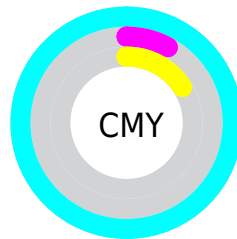
- Red (0%)
- Green (92%)
- Blue (84%)



- Red (0%)
- Yellow (49%)
- Blue (92%)



- Cyan (100%)
- Magenta (0%)
- Yellow (9%)
- Black (8%)




- Cyan (100%)
- Magenta (8%)
- Yellow (16%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 64.2272, 0.2330, 0.3586 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 64.2272, 0.2330, 0.3586 by changing the saturation by 10% instead.


 64.2272, 0.2330,
0.3586

 64.2272, 0.2330,
0.3586


440.0096, 0.2701,
0.3451


 46.8347, 0.2245,
0.3616


 110.9381, 0.2459,
0.3540


 32.9050, 0.2141,
0.3653


 141.0253, 0.2509,
0.3522


 22.0537, 0.2009,
0.3698


 176.1128, 0.2552,
0.3506

 13.8964, 0.1839,
0.3756

 216.5851, 0.2590,
0.3492

 8.0486, 0.1611,
0.3830

 262.8265, 0.2623,
0.3480

 4.1261, 0.1295,
0.3927

315.2215, 0.2652,

 1.7443, 0.0546,

0.3469

0.4181

374.1544, 0.2678,
0.3460

■ 0.4521, 0.0000,
0.4014

■ 0.0000, 0.0000,
0.0000

■ 64.2272, 0.2330,
0.3586

■ 64.2272, 0.2330,
0.3586

■ 64.2169, 0.2330,
0.3588

■ 64.5374, 0.2335,
0.3554

■ 65.0816, 0.2355,
0.3522

■ 65.9297, 0.2393,
0.3489

■ 67.1238, 0.2452,
0.3457

■ 68.6990, 0.2529,
0.3425

■ 70.6864, 0.2624,
0.3394

■ 73.1136, 0.2735,
0.3365

■ 76.0060, 0.2859,
0.3338

■ 79.3870, 0.2993,
0.3312

Harmonies

Analogous

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



64.2272, 0.2850, 0.4199



64.2272, 0.2330, 0.3586



64.2272, 0.2037, 0.2941

Triad

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



64.2272, 0.2330, 0.3586



64.2272, 0.2684, 0.2339



64.2272, 0.4376, 0.3928

Complementary

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



64.2272, 0.2330, 0.3586



17.7496, 0.6305, 0.3250

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.



64.2272, 0.4354, 0.3441



64.2272, 0.2330, 0.3586



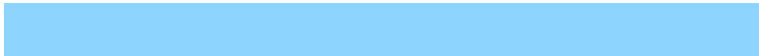
64.2272, 0.3314, 0.2576

Square

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



64.2272, 0.2330, 0.3586



64.2272, 0.2226, 0.2300



64.2272, 0.3950, 0.2965



64.2272, 0.4040, 0.4328

Rectangle

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



64.2272, 0.2330, 0.3586



64.2272, 0.1987, 0.2615



64.2272, 0.3950, 0.2965



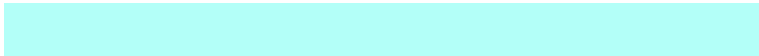
64.2272, 0.4413, 0.3770

Sweetspot

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



64.2296, 0.2330, 0.3586



87.8093, 0.2728, 0.3367



59.6214, 0.3020, 0.5981



18.5188, 0.2680, 0.3379



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.



64.2296, 0.2330, 0.3586



77.2900, 0.2330, 0.3589



25.1895, 0.1864, 0.1909



17.0960, 0.2994, 0.3312



35.7490, 0.2329, 0.3582



2.8143, 0.2316, 0.3538

Inverse Universe

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



17.7496, 0.6305, 0.3250



21.3259, 0.6319, 0.3254



25.7919, 0.5711, 0.3843



15.0771, 0.3278, 0.3268



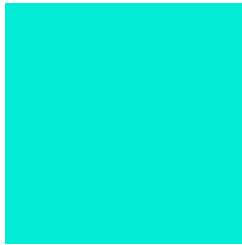
9.8704, 0.6292, 0.3240



0.7829, 0.6043, 0.3103

Previews

White Background



This preview shows how the Yxy color 64.2272, 0.2330, 0.3586 looks on a white background.

Color Contrast Check

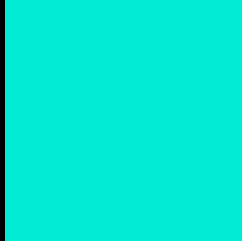
Large Text (above 18pt) WCAG AA × Fail

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 64.2272, 0.2330, 0.3586 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

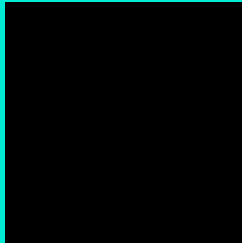
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 64.2272, 0.2330, 0.3586

Background



This preview shows how black text looks on a background with the Yxy color 64.2272, 0.2330, 0.3586.

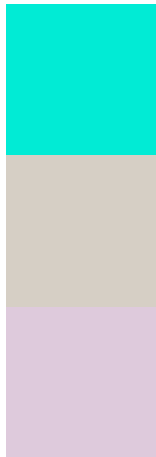


This preview shows how white text looks on a background with the Yxy color 64.2272, 0.2330, 0.3586.

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

64.2272, 0.2330, 0.3586

Protanopia

62.9530, 0.3252, 0.3405

Deuteranopia

62.9380, 0.3152, 0.3092



Tritanopia

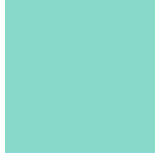
64.3630, 0.2236, 0.3049

Trichromacy



Original Color

64.2272, 0.2330, 0.3586



Protanomaly

59.2559, 0.2690, 0.3472



Deuteranomaly

58.8537, 0.2636, 0.3250



Tritanomaly

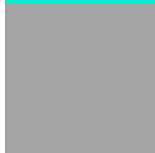
64.1814, 0.2258, 0.3236

Monochromacy



Original Color

64.2272, 0.2330, 0.3586



Achromatopsia

36.6253, 0.3127, 0.3290



Achromatomaly

42.6744, 0.2576, 0.3409

CSS Examples

Text

The CSS property to change the color of the text to Yxy 64.2272, 0.2330, 0.3586 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, 235, 213)` looks like.

```
.text, #text, p{  
    color:rgb(1, 235, 213)  
}
```

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, 235, 213) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(1, 235, 213) }
```

Border

The CSS property to change the border of an element to Yxy 64.2272, 0.2330, 0.3586 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, 235, 213) }
```

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

```
.border{ border-color:rgb(1, 235, 213) }
```

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

Here you see how a box with a 4 pixel `rgb(1, 235, 213)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(1, 235, 213); -webkit-box-  
shadow:4px 4px 4px 4px rgb(1, 235, 213);  
box-shadow:4px 4px 4px 4px rgb(1, 235,  
213) }
```


Background

The CSS property to change the background color of an element to Yxy 64.2272, 0.2330, 0.3586 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(1, 235, 213) }
```

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

```
.background{ background-color: rgb(1, 235,  
213) }
```

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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