

Converting Colors

$Yxy(64.8338, 0.2305, 0.3498)$

Have a look what the booklet for
Yxy(64.8338, 0.2305, 0.3498)
contains.

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Color

Yxy(64.5840, 0.2302, 0.3488)

Conversions

Conversions Part 1

Format	Color
Hex	00EBDC
RGB	0, 235, 220
RGB Percent	0%, 92%, 86%
CMY	1.0000, 0.0784, 0.1371
CMYK	1.00, 0.00, 0.06, 0.08
HSL	176°, 100%, 46%
HSV	176°, 100%, 92%
XYZ	42.6240, 64.5840, 77.9526
YIQ	163.0250, -135.2450, -54.4850

Conversions

Conversions Part 2

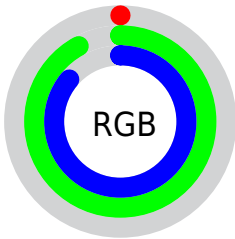
Format	Color
RYB	0, 121, 235
Decimal	60380
CIELab	84.27, -49.48, -6.04
CIELCh	84, 49.846, 186.960
Yxy	64.5840, 0.2302, 0.3488
Android (android.graphics.Color)	4278250460 (0xFF00EBDC)
YUV	163.0250, 28.0887, -142.9729
Hunter-Lab	80.3642, -45.9636, -1.2559

Details

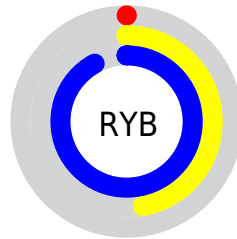
The Yxy color **64.5840, 0.2302, 0.3488** is a light color, and the websafe version is hex **00FFFF**. The color can be described as light washed cyan. A complement of this color would be **17.6979, 0.6349, 0.3271**, and the grayscale version is **36.5550, 0.3127, 0.3290**.

A 20% lighter version of the original color is **82.3174, 0.2426, 0.3288**, and **34.5574, 0.2310, 0.3514** is the 20% darker color. If you saturate the color by 10%, you get **64.5904, 0.2302, 0.3488**, and if you desaturate by 10%, it is **64.8582, 0.2309, 0.3467**.

Distribution



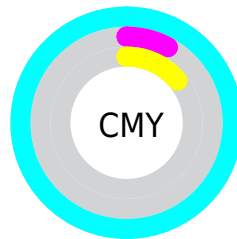
- Red (0%)
- Green (92%)
- Blue (86%)



- Red (0%)
- Yellow (47%)
- Blue (92%)



- Cyan (100%)
- Magenta (0%)
- Yellow (6%)
- Black (8%)




- Cyan (100%)
- Magenta (8%)
- Yellow (14%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 64.5840, 0.2302, 0.3488 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 64.5840, 0.2302, 0.3488 by changing the saturation by 10% instead.


 64.5840, 0.2302,
0.3488

 64.5840, 0.2302,
0.3488


441.2955, 0.2684,
0.3403


 47.1238, 0.2216,
0.3506


 111.4516, 0.2434,
0.3460


 33.1336, 0.2109,
0.3526


 141.6278, 0.2485,
0.3449

 22.2288, 0.1976,
0.3550


 176.8114, 0.2530,
0.3439

 14.0251, 0.1805,
0.3579

 217.3869, 0.2568,
0.3430

 8.1381, 0.1577,
0.3611

 263.7387, 0.2602,
0.3422

 4.1835, 0.1265,
0.3642

316.2512, 0.2633,

 1.7767, 0.0617,

0.3415

0.3735

375.3086, 0.2659,
0.3409

■ 0.4726, 0.0000,
0.3353

■ 0.0000, 0.0000,
0.0000

■ 64.5840, 0.2302,
0.3488

■ 64.5840, 0.2302,
0.3488

■ 64.5904, 0.2302,
0.3488

■ 64.8582, 0.2309,
0.3467

■ 65.3549, 0.2331,
0.3446

■ 66.1525, 0.2371,
0.3424

■ 67.2934, 0.2430,
0.3403

■ 68.8130, 0.2509,
0.3381

■ 70.7425, 0.2605,
0.3361

■ 73.1098, 0.2718,
0.3341

■ 75.9403, 0.2845,
0.3323

■ 79.2575, 0.2982,
0.3306

Harmonies

Analogous

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



64.5840, 0.2783, 0.4100



64.5840, 0.2302, 0.3488



64.5840, 0.2049, 0.2882

Triad

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



64.5840, 0.2302, 0.3488



64.5840, 0.2774, 0.2386



64.5840, 0.4311, 0.3973

Complementary

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



64.5840, 0.2302, 0.3488



17.6979, 0.6349, 0.3271

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.



64.5840, 0.4340, 0.3505



64.5840, 0.2302, 0.3488



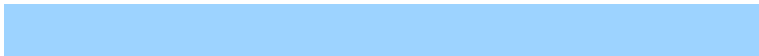
64.5840, 0.3397, 0.2641

Square

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



64.5840, 0.2302, 0.3488



64.5840, 0.2300, 0.2321



64.5840, 0.3994, 0.3036



64.5840, 0.3949, 0.4334

Rectangle

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



64.5840, 0.2302, 0.3488



64.5840, 0.2023, 0.2586



64.5840, 0.3994, 0.3036



64.5840, 0.4363, 0.3823

Sweetspot

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



64.5904, 0.2302, 0.3488



87.9543, 0.2717, 0.3341



59.5285, 0.3011, 0.5991



18.5540, 0.2667, 0.3350



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.



64.5904, 0.2302, 0.3488



77.7374, 0.2303, 0.3489



22.8206, 0.1829, 0.1783



17.1043, 0.2990, 0.3305



35.9520, 0.2301, 0.3485



2.8281, 0.2293, 0.3455

Inverse Universe

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



17.6979, 0.6349, 0.3271



21.2982, 0.6353, 0.3273



27.1342, 0.5626, 0.3915



15.0696, 0.3283, 0.3275



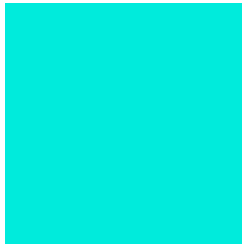
9.8552, 0.6332, 0.3262



0.7794, 0.6153, 0.3163

Previews

White Background



This preview shows how the Yxy color 64.5840, 0.2302, 0.3488 looks on a white background.

Color Contrast Check

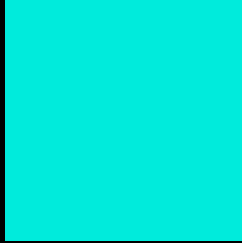
Large Text (above 18pt) WCAG AA × Fail

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 64.5840, 0.2302, 0.3488 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

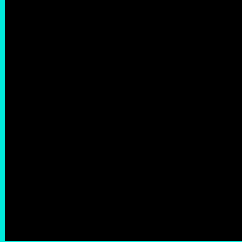
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 64.5840, 0.2302, 0.3488

Background



This preview shows how black text looks on a background with the Yxy color 64.5840, 0.2302, 0.3488.

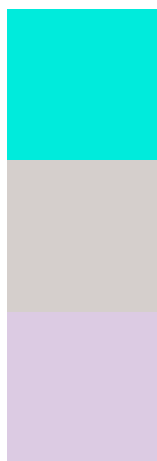


This preview shows how white text looks on a background with the Yxy color 64.5840, 0.2302, 0.3488.

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

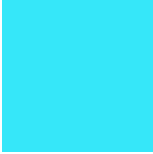
64.5840, 0.2302, 0.3488

Protanopia

63.1314, 0.3194, 0.3324

Deuteranopia

63.4736, 0.3087, 0.3027



Tritanopia

64.7757, 0.2230, 0.3061

Trichromacy



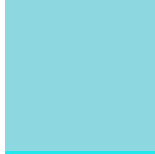
Original Color

64.5840, 0.2302, 0.3488



Protanomaly

59.5131, 0.2646, 0.3379



Deuteranomaly

59.5581, 0.2589, 0.3175



Tritanomaly

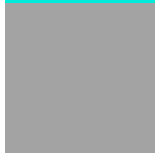
64.2264, 0.2246, 0.3210

Monochromacy



Original Color

64.5840, 0.2302, 0.3488



Achromatopsia

36.6253, 0.3127, 0.3290



Achromatomaly

42.7989, 0.2559, 0.3363

CSS Examples

Text

The CSS property to change the color of the text to Yxy 64.5840, 0.2302, 0.3488 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, 235, 220)` looks like.

```
.text, #text, p{  
    color:rgb(0, 235, 220)  
}
```

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, 235, 220) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 235, 220) }
```

Border

The CSS property to change the border of an element to Yxy 64.5840, 0.2302, 0.3488 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, 235, 220) }
```

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

```
.border{ border-color:rgb(0, 235, 220) }
```

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

Here you see how a box with a 4 pixel rgb(0, 235, 220) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 235, 220); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 235, 220);  
box-shadow:4px 4px 4px 4px rgb(0, 235,  
220) }
```


Background

The CSS property to change the background color of an element to Yxy 64.5840, 0.2302, 0.3488 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 235, 220) }
```

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

```
.background{ background-color: rgb(0, 235,  
220) }
```

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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