

Converting Colors

$Yxy(63.8145, 0.2238, 0.3256)$

Have a look what the booklet for
Yxy(63.8145, 0.2238, 0.3256)
contains.

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Color

Yxy(63.7114, 0.2236, 0.3248)

Conversions

Conversions Part 1

Format	Color
Hex	01E8EB
RGB	1, 232, 235
RGB Percent	0%, 91%, 92%
CMY	0.9963, 0.0902, 0.0784
CMYK	1.00, 0.01, 0.00, 0.08
HSL	181°, 99%, 46%
HSV	181°, 100%, 92%
XYZ	43.8604, 63.7114, 88.5840
YIQ	163.2730, -138.6390, -48.0390

Conversions

Conversions Part 2

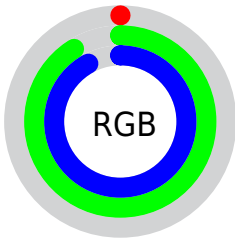
Format	Color
RYB	1, 117, 235
Decimal	125163
CIELab	83.82, -43.86, -14.61
CIELCh	84, 46.228, 198.426
Yxy	63.7114, 0.2236, 0.3248
Android (android.graphics.Color)	4278315243 (0xFF01E8EB)
YUV	163.2730, 35.3614, -142.3134
Hunter-Lab	79.8194, -41.5990, -9.9267

Details

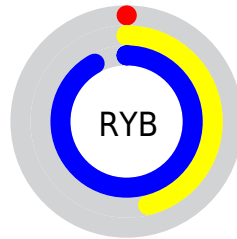
The Yxy color **63.7114, 0.2236, 0.3248** is a light color, and the websafe version is hex **33FFFF**. The color can be described as light washed cyan. A complement of this color would be **17.7508, 0.6388, 0.3305**, and the grayscale version is **36.6316, 0.3127, 0.3290**.

A 20% lighter version of the original color is **82.3848, 0.2430, 0.3288**, and **34.3053, 0.2232, 0.3237** is the 20% darker color. If you saturate the color by 10%, you get **63.7007, 0.2236, 0.3248**, and if you desaturate by 10%, it is **64.0777, 0.2250, 0.3252**.

Distribution



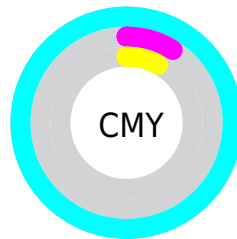
- Red (0%)
- Green (91%)
- Blue (92%)



- Red (0%)
- Yellow (46%)
- Blue (92%)



- Cyan (100%)
- Magenta (1%)
- Yellow (0%)
- Black (8%)





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

Brightness & Saturation Gradients


These gradients show how the Yxy color 63.7114, 0.2236, 0.3248 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 63.7114, 0.2236, 0.3248 by changing the saturation by 10% instead.


 63.7114, 0.2236,
0.3248


 63.7114, 0.2236,
0.3248


438.1467, 0.2644,
0.3282


 46.4170, 0.2145,
0.3237


 110.1952, 0.2376,
0.3263

 32.5750, 0.2033,
0.3220


 140.1534, 0.2431,
0.3268


 21.8011, 0.1894,
0.3197


 175.1015, 0.2479,
0.3271

 13.7108, 0.1717,
0.3161

 215.4241, 0.2520,
0.3274

 7.9198, 0.1486,
0.3102

 261.5056, 0.2557,
0.3277

 4.0437, 0.1176,
0.2999

313.7302, 0.2589,

 1.6980, 0.0639,

0.3279

0.2831

372.4825, 0.2618,
0.3281

■ 0.4224, 0.0000,
0.2110

■ 0.0000, 0.0000,
0.0000

■ 63.7114, 0.2236,
0.3248

■ 63.7114, 0.2236,
0.3248

■ 63.7007, 0.2236,
0.3248

■ 64.0777, 0.2250,
0.3252

■ 64.6757, 0.2278,
0.3256

■ 65.5762, 0.2324,
0.3261

■ 66.8210, 0.2390,
0.3265

■ 68.4455, 0.2475,
0.3270

■ 70.4806, 0.2579,
0.3274

■ 72.9541, 0.2699,
0.3278

■ 75.8914, 0.2834,
0.3283

■ 79.3158, 0.2979,
0.3286

Harmonies

Analogous

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



63.7114, 0.2616, 0.3842



63.7114, 0.2236, 0.3248



63.7114, 0.2087, 0.2742

Triad

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



63.7114, 0.2236, 0.3248



63.7114, 0.3012, 0.2513



63.7114, 0.4138, 0.4084

Complementary

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



63.7114, 0.2236, 0.3248



17.7508, 0.6388, 0.3305

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.



63.7114, 0.4290, 0.3671



63.7114, 0.2236, 0.3248



63.7114, 0.3607, 0.2811

Square

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



63.7114, 0.2236, 0.3248



63.7114, 0.2500, 0.2380



63.7114, 0.4094, 0.3219



63.7114, 0.3714, 0.4334

Rectangle

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



63.7114, 0.2236, 0.3248



63.7114, 0.2123, 0.2520



63.7114, 0.4094, 0.3219



63.7114, 0.4224, 0.3957

Sweetspot

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



63.7138, 0.2236, 0.3248



87.6382, 0.2692, 0.3278



59.4265, 0.3000, 0.5998



18.4768, 0.2640, 0.3276



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.



63.7138, 0.2236, 0.3248



76.6656, 0.2236, 0.3248



18.9564, 0.1767, 0.1559



17.0867, 0.2981, 0.3287



35.4670, 0.2236, 0.3249



2.7957, 0.2237, 0.3254

Inverse Universe

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



23.5092, 0.3242, 0.1561



28.2706, 0.3242, 0.1560



30.6167, 0.5422, 0.4074



15.3102, 0.3140, 0.3061



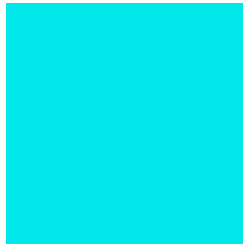
13.0732, 0.3241, 0.1559



1.0276, 0.3237, 0.1557

Previews

White Background



This preview shows how the Yxy color 63.7114, 0.2236, 0.3248 looks on a white background.

Color Contrast Check

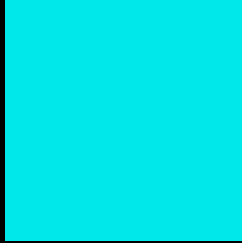
Large Text (above 18pt) WCAG AA × Fail

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 63.7114, 0.2236, 0.3248 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

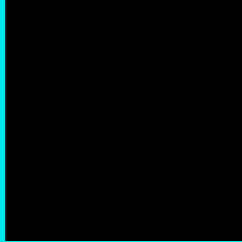
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 63.7114, 0.2236, 0.3248

Background



This preview shows how black text looks on a background with the Yxy color 63.7114, 0.2236, 0.3248.

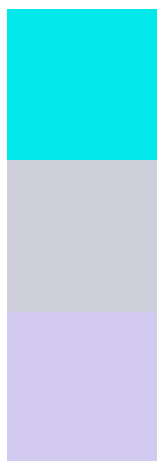


This preview shows how white text looks on a background with the Yxy color 63.7114, 0.2236, 0.3248.

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

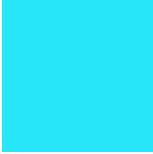
63.7178, 0.2236, 0.3248

Protanopia

62.5225, 0.3045, 0.3142

Deuteranopia

62.5007, 0.2920, 0.2851



Tritanopia

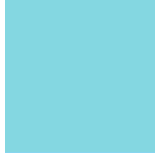
63.8645, 0.2206, 0.3047

Trichromacy



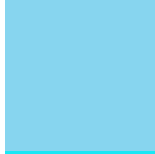
Original Color

63.7178, 0.2236, 0.3248



Protanomaly

58.9427, 0.2542, 0.3161



Deuteranomaly

58.9714, 0.2483, 0.2967



Tritanomaly

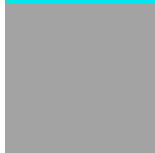
63.8902, 0.2213, 0.3121

Monochromacy



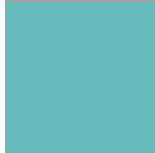
Original Color

63.7178, 0.2236, 0.3248



Achromatopsia

36.6253, 0.3127, 0.3290



Achromatomaly

42.5836, 0.2527, 0.3273

CSS Examples

Text

The CSS property to change the color of the text to Yxy 63.7114, 0.2236, 0.3248 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, 232, 235)` looks like.

```
.text, #text, p{  
    color:rgb(1, 232, 235)  
}
```

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, 232, 235) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(1, 232, 235) }
```

Border

The CSS property to change the border of an element to Yxy 63.7114, 0.2236, 0.3248 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, 232, 235) }
```

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

```
.border{ border-color:rgb(1, 232, 235) }
```

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

Here you see how a box with a 4 pixel `rgb(1, 232, 235)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(1, 232, 235); -webkit-box-  
shadow:4px 4px 4px 4px rgb(1, 232, 235);  
box-shadow:4px 4px 4px 4px rgb(1, 232,  
235) }
```


Background

The CSS property to change the background color of an element to Yxy 63.7114, 0.2236, 0.3248 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(1, 232, 235) }
```

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

```
.background{ background-color: rgb(1, 232,  
235) }
```

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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