

Converting Colors

Yxy(64.2014, 0.2078, 0.3445)

Have a look what the booklet for
Yxy(64.2014, 0.2078, 0.3445)
contains.

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Color

Yxy(67.3344, 0.2287, 0.3431)

Conversions

Conversions Part 1

Format	Color
Hex	01EFE4
RGB	1, 239, 228
RGB Percent	0%, 94%, 89%
CMY	0.9946, 0.0628, 0.1058
CMYK	0.99, 0.00, 0.05, 0.06
HSL	177°, 99%, 47%
HSV	177°, 99%, 94%
XYZ	44.8831, 67.3344, 84.0355
YIQ	166.5840, -138.3170, -53.8770

Conversions

Conversions Part 2

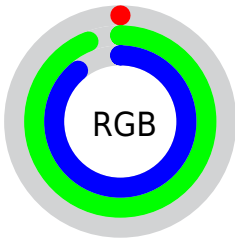
Format	Color
RYB	1, 123, 239
Decimal	126948
CIELab	85.67, -48.88, -8.16
CIELCh	86, 49.560, 189.475
Yxy	67.3344, 0.2287, 0.3431
Android (android.graphics.Color)	4278317028 (0xFF01EFE4)
YUV	166.5840, 30.2781, -145.2172
Hunter-Lab	82.0575, -45.9665, -3.2789

Details

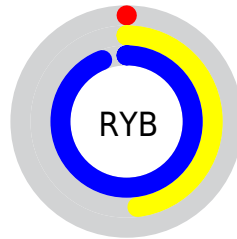
The Yxy color **67.3344, 0.2287, 0.3431** is a light color, and the websafe version is hex **00FFFF**. The color can be described as light washed cyan. A complement of this color would be **18.4058, 0.6358, 0.3280**, and the grayscale version is **38.3843, 0.3127, 0.3290**.

A 20% lighter version of the original color is **82.4530, 0.2433, 0.3288**, and **36.4730, 0.2289, 0.3440** is the 20% darker color. If you saturate the color by 10%, you get **67.3246, 0.2287, 0.3432**, and if you desaturate by 10%, it is **67.5997, 0.2296, 0.3416**.

Distribution



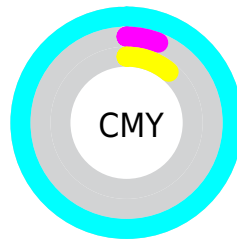
- Red (0%)
- Green (94%)
- Blue (89%)



- Red (0%)
- Yellow (48%)
- Blue (94%)



- Cyan (99%)
- Magenta (0%)
- Yellow (5%)
- Black (6%)




- Cyan (99%)
- Magenta (6%)
- Yellow (11%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 67.3344, 0.2287, 0.3431 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 67.3344, 0.2287, 0.3431 by changing the saturation by 10% instead.


 67.3344, 0.2287,
0.3431


 67.3344, 0.2287,
0.3431


451.1341, 0.2671,
0.3375


 49.3564, 0.2201,
0.3441


 115.3994, 0.2419,
0.3413

 34.9023, 0.2096,
0.3453


 146.2553, 0.2471,
0.3406


 23.5876, 0.1964,
0.3465


 182.1726, 0.2516,
0.3400

 15.0280, 0.1796,
0.3477

 223.5357, 0.2555,
0.3394

 8.8390, 0.1576,
0.3487

 270.7290, 0.2589,
0.3388

 4.6363, 0.1277,
0.3484

324.1369, 0.2620,

 2.0355, 0.0778,

0.3383

0.3476

384.1438, 0.2647,
0.3379

■ 0.6280, 0.0000,
0.3284

■ 0.0000, 0.0000,
0.0000

■ 67.3344, 0.2287,
0.3431

■ 67.3344, 0.2287,
0.3431

■ 67.3246, 0.2287,
0.3432

■ 67.5997, 0.2296,
0.3416

■ 68.1086, 0.2319,
0.3401

■ 68.9328, 0.2361,
0.3385

■ 70.1159, 0.2423,
0.3370

■ 71.6946, 0.2504,
0.3355

■ 73.7011, 0.2603,
0.3340

■ 76.1644, 0.2719,
0.3326

■ 79.1108, 0.2848,
0.3313

■ 82.5646, 0.2988,
0.3301

Harmonies

Analogous

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



67.3344, 0.2744, 0.4040



67.3344, 0.2287, 0.3431



67.3344, 0.2059, 0.2849

Triad

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



67.3344, 0.2287, 0.3431



67.3344, 0.2828, 0.2416



67.3344, 0.4271, 0.3999

Complementary

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



67.3344, 0.2287, 0.3431



18.4058, 0.6358, 0.3280

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.



67.3344, 0.4328, 0.3543



67.3344, 0.2287, 0.3431



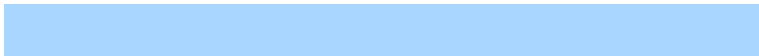
67.3344, 0.3445, 0.2680

Square

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



67.3344, 0.2287, 0.3431



67.3344, 0.2346, 0.2335



67.3344, 0.4017, 0.3078



67.3344, 0.3895, 0.4335

Rectangle

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



67.3344, 0.2287, 0.3431



67.3344, 0.2046, 0.2571



67.3344, 0.4017, 0.3078



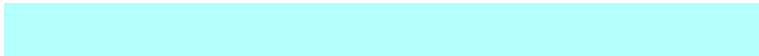
67.3344, 0.4331, 0.3853

Sweetspot

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



67.3369, 0.2287, 0.3431



88.0387, 0.2710, 0.3327



61.8166, 0.3008, 0.5990



18.5746, 0.2660, 0.3333



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.



67.3369, 0.2287, 0.3431



78.0042, 0.2287, 0.3432



22.7585, 0.1815, 0.1732



17.9156, 0.2987, 0.3301



37.2148, 0.2286, 0.3429



3.0998, 0.2280, 0.3409

Inverse Universe

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



18.4058, 0.6358, 0.3280



21.2860, 0.6368, 0.3282



29.1394, 0.5567, 0.3957



15.7707, 0.3286, 0.3279



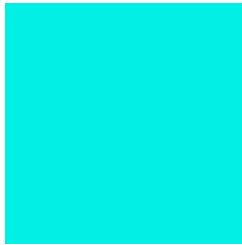
10.1596, 0.6352, 0.3273



0.8493, 0.6226, 0.3203

Previews

White Background



This preview shows how the Yxy color 67.3344, 0.2287, 0.3431 looks on a white background.

Color Contrast Check

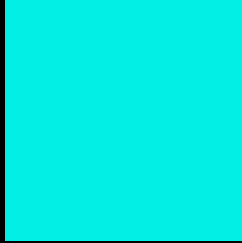
Large Text (above 18pt) WCAG AA × Fail

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 67.3344, 0.2287, 0.3431 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

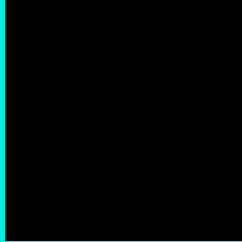
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 67.3344, 0.2287, 0.3431

Background



This preview shows how black text looks on a background with the Yxy color 67.3344, 0.2287, 0.3431.

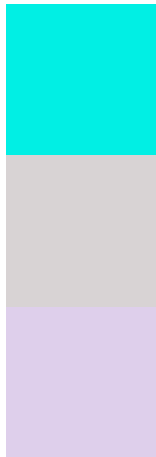


This preview shows how white text looks on a background with the Yxy color 67.3344, 0.2287, 0.3431.

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

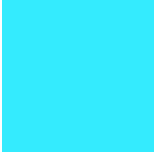
67.3409, 0.2287, 0.3431

Protanopia

65.9409, 0.3157, 0.3279

Deuteranopia

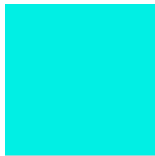
66.1534, 0.3046, 0.2988



Tritanopia

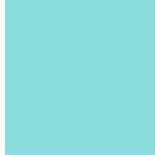
67.3025, 0.2223, 0.3052

Trichromacy



Original Color

67.3409, 0.2287, 0.3431



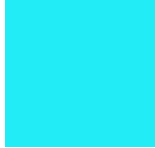
Protanomaly

62.1781, 0.2621, 0.3326



Deuteranomaly

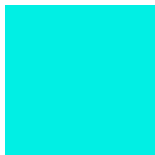
62.2400, 0.2566, 0.3128



Tritanomaly

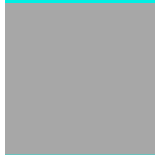
66.9236, 0.2235, 0.3174

Monochromacy



Original Color

67.3409, 0.2287, 0.3431



Achromatopsia

38.6429, 0.3127, 0.3290



Achromatomaly

44.9399, 0.2556, 0.3347

CSS Examples

Text

The CSS property to change the color of the text to Yxy 67.3344, 0.2287, 0.3431 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, 239, 228)` looks like.

```
.text, #text, p{  
    color:rgb(1, 239, 228)  
}
```

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, 239, 228) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(1, 239, 228) }
```

Border

The CSS property to change the border of an element to Yxy 67.3344, 0.2287, 0.3431 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, 239, 228) }
```

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

```
.border{ border-color:rgb(1, 239, 228) }
```

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

Here you see how a box with a 4 pixel `rgb(1, 239, 228)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(1, 239, 228); -webkit-box-  
shadow:4px 4px 4px 4px rgb(1, 239, 228);  
box-shadow:4px 4px 4px 4px rgb(1, 239,  
228) }
```


Background

The CSS property to change the background color of an element to Yxy 67.3344, 0.2287, 0.3431 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(1, 239, 228) }
```

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

```
.background{ background-color: rgb(1, 239,  
228) }
```

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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