

Converting Colors

Yxy(64.4830, 0.2290, 0.3444)

Have a look what the booklet for
Yxy(64.4830, 0.2290, 0.3444)
contains.

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Color

Yxy(64.7444, 0.2291, 0.3447)

Conversions

Conversions Part 1

Format	Color
Hex	00EBDF
RGB	0, 235, 223
RGB Percent	0%, 92%, 87%
CMY	0.9989, 0.0784, 0.1254
CMYK	1.00, 0.00, 0.05, 0.08
HSL	177°, 100%, 46%
HSV	177°, 100%, 92%
XYZ	43.0315, 64.7444, 80.0524
YIQ	163.3670, -136.2080, -53.5520

Conversions

Conversions Part 2

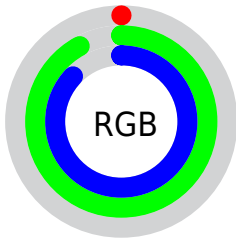
Format	Color
RYB	0, 121, 235
Decimal	60383
CIELab	84.35, -48.62, -7.49
CIELCh	84, 49.194, 188.757
Yxy	64.7444, 0.2291, 0.3447
Android (android.graphics.Color)	4278250463 (0xFF00EBDF)
YUV	163.3670, 29.3991, -143.2729
Hunter-Lab	80.4639, -45.3515, -2.6621

Details

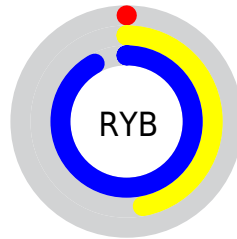
The Yxy color **64.7444, 0.2291, 0.3447** is a light color, and the websafe version is hex **00FFFF**. The color can be described as light washed cyan. A complement of this color would be **17.6953, 0.6359, 0.3278**, and the grayscale version is **36.7573, 0.3127, 0.3290**.

A 20% lighter version of the original color is **82.3174, 0.2426, 0.3288**, and **34.6679, 0.2295, 0.3460** is the 20% darker color. If you saturate the color by 10%, you get **64.7442, 0.2291, 0.3447**, and if you desaturate by 10%, it is **65.0015, 0.2299, 0.3430**.

Distribution



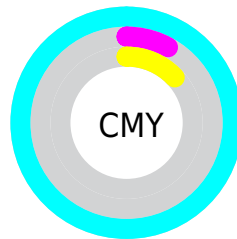
- Red (0%)
- Green (92%)
- Blue (87%)



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



- Cyan (100%)
- Magenta (0%)
- Yellow (5%)
- Black (8%)



- Cyan (100%)
- Magenta (8%)
- Yellow (13%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 64.7444, 0.2291, 0.3447 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 64.7444, 0.2291, 0.3447 by changing the saturation by 10% instead.


 64.7444, 0.2291,
0.3447


 64.7444, 0.2291,
0.3447


441.8729, 0.2677,
0.3382

 47.2539, 0.2204,
0.3459


 111.6823, 0.2424,
0.3426

 33.2364, 0.2097,
0.3474


 141.8985, 0.2476,
0.3418


 22.3076, 0.1963,
0.3489


 177.1253, 0.2521,
0.3410

 14.0831, 0.1791,
0.3506

 217.7471, 0.2560,
0.3403

 8.1785, 0.1564,
0.3521

 264.1484, 0.2594,
0.3397

 4.2094, 0.1254,
0.3527

316.7135, 0.2625,

 1.7914, 0.0643,

0.3392

0.3563

375.8269, 0.2652,
0.3387

■ 0.4818, 0.0000,
0.3144

■ 0.0000, 0.0000,
0.0000

■ 64.7444, 0.2291,
0.3447

■ 64.7444, 0.2291,
0.3447

■ 64.7442, 0.2291,
0.3447

■ 65.0015, 0.2299,
0.3430

■ 65.4864, 0.2322,
0.3413

■ 66.2725, 0.2363,
0.3396

■ 67.4021, 0.2423,
0.3379

■ 68.9105, 0.2503,
0.3362

■ 70.8289, 0.2601,
0.3346

■ 73.1851, 0.2715,
0.3331

■ 76.0045, 0.2843,
0.3316

■ 79.3105, 0.2982,
0.3302

Harmonies

Analogous

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



64.7444, 0.2755, 0.4057



64.7444, 0.2291, 0.3447



64.7444, 0.2056, 0.2858

Triad

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



64.7444, 0.2291, 0.3447



64.7444, 0.2813, 0.2407



64.7444, 0.4283, 0.3992

Complementary

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



64.7444, 0.2291, 0.3447



17.6953, 0.6359, 0.3278

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.



64.7444, 0.4332, 0.3532



64.7444, 0.2291, 0.3447



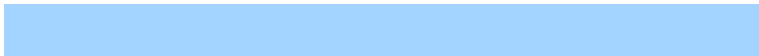
64.7444, 0.3432, 0.2669

Square

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



64.7444, 0.2291, 0.3447



64.7444, 0.2333, 0.2331



64.7444, 0.4011, 0.3066



64.7444, 0.3910, 0.4335

Rectangle

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



64.7444, 0.2291, 0.3447



64.7444, 0.2039, 0.2575



64.7444, 0.4011, 0.3066



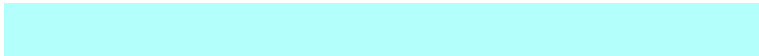
64.7444, 0.4340, 0.3845

Sweetspot

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



64.7468, 0.2291, 0.3447



88.0153, 0.2712, 0.3331



59.5265, 0.3011, 0.5990



18.5689, 0.2662, 0.3337



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.



64.7468, 0.2291, 0.3447



77.9298, 0.2291, 0.3448



22.8539, 0.1829, 0.1785



17.1078, 0.2988, 0.3302



36.0393, 0.2290, 0.3445



2.8340, 0.2284, 0.3421

Inverse Universe

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



17.6953, 0.6359, 0.3278



21.2891, 0.6364, 0.3280



27.1638, 0.5624, 0.3916



15.0665, 0.3285, 0.3278



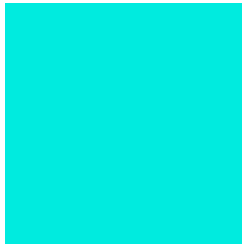
9.8501, 0.6346, 0.3269



0.7779, 0.6200, 0.3189

Previews

White Background



This preview shows how the Yxy color 64.7444, 0.2291, 0.3447 looks on a white background.

Color Contrast Check

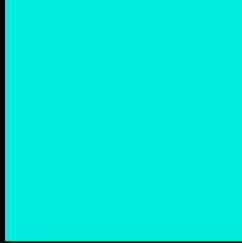
Large Text (above 18pt) WCAG AA × Fail

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 64.7444, 0.2291, 0.3447 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

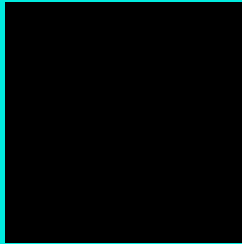
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 64.7444, 0.2291, 0.3447

Background



This preview shows how black text looks on a background with the Yxy color 64.7444, 0.2291, 0.3447.

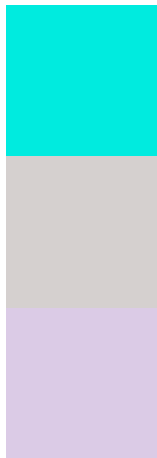


This preview shows how white text looks on a background with the Yxy color 64.7444, 0.2291, 0.3447.

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

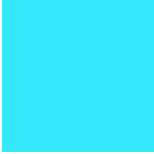
64.7444, 0.2291, 0.3447

Protanopia

63.7629, 0.3172, 0.3302

Deuteranopia

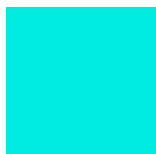
63.4851, 0.3059, 0.2994



Tritanopia

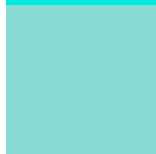
64.7840, 0.2224, 0.3049

Trichromacy



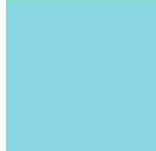
Original Color

64.7444, 0.2291, 0.3447



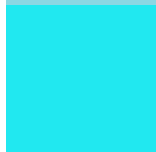
Protanomaly

60.1811, 0.2632, 0.3353



Deuteranomaly

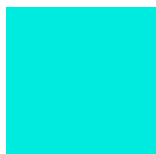
59.6359, 0.2568, 0.3138



Tritanomaly

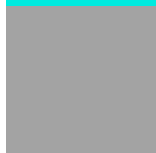
64.3278, 0.2238, 0.3184

Monochromacy



Original Color

64.7444, 0.2291, 0.3447



Achromatopsia

36.6253, 0.3127, 0.3290



Achromatomaly

42.8410, 0.2553, 0.3348

CSS Examples

Text

The CSS property to change the color of the text to Yxy 64.7444, 0.2291, 0.3447 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, 223)` looks like.

```
.text, #text, p{  
    color:rgb(0, 235, 223)  
}
```

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, 223) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 235, 223) }
```

Border

The CSS property to change the border of an element to Yxy 64.7444, 0.2291, 0.3447 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, 223) }
```

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

```
.border{ border-color:rgb(0, 235, 223) }
```

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, 223)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 235, 223); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 235, 223);  
box-shadow:4px 4px 4px 4px rgb(0, 235,  
223) }
```


Background

The CSS property to change the background color of an element to Yxy 64.7444, 0.2291, 0.3447 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, 223) }
```

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

```
.background{ background-color: rgb(0, 235,  
223) }
```

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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