

Converting Colors

$Yxy(66.9817, 0.2229, 0.3224)$

Have a look what the booklet for
Yxy(66.9817, 0.2229, 0.3224)
contains.

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Color

Yxy(66.9792, 0.2229, 0.3224)

Conversions

Conversions Part 1

| Format | Color |
|-------------|-------------------------------|
| Hex | 00EDF2 |
| RGB | 0, 237, 242 |
| RGB Percent | 0%, 93%, 95% |
| CMY | 0.9994, 0.0706, 0.0511 |
| CMYK | 1.00, 0.02, 0.00, 0.05 |
| HSL | 181°, 100%, 47% |
| HSV | 181°, 100%, 95% |
| XYZ | 46.3079, 66.9792, 94.4648 |
| YIQ | 166.7070, -142.8570, -48.6890 |

Conversions

Conversions Part 2

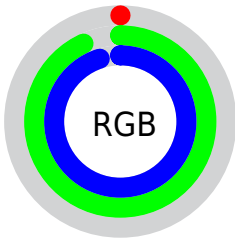
| Format | Color |
|-------------------------------------|---------------------------------|
| RYB | 0, 120, 242 |
| Decimal | 60914 |
| CIELab | 85.49, -44.03, -15.76 |
| CIELCh | 85, 46.770, 199.695 |
| Yxy | 66.9792, 0.2229, 0.3224 |
| Android (android.graphics.Color) | 4278250994 (0xFF00EDF2) |
| YUV | 166.7070, 37.1194, -146.2020 |
| Hunter-Lab | 81.8408, -42.2210, -11.1469 |

Details

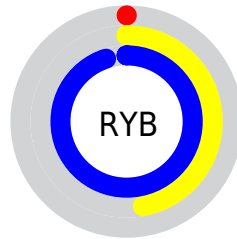
The Yxy color **66.9792, 0.2229, 0.3224** is a light color, and the websafe version is hex **33FFFF**. The color can be described as light saturated cyan. A complement of this color would be **18.9829, 0.6389, 0.3308**, and the grayscale version is **38.3859, 0.3127, 0.3290**.

A 20% lighter version of the original color is **82.5219, 0.2436, 0.3288**, and **36.1877, 0.2219, 0.3189** is the 20% darker color. If you saturate the color by 10%, you get **66.9788, 0.2229, 0.3224**, and if you desaturate by 10%, it is **67.4671, 0.2243, 0.3231**.

Distribution



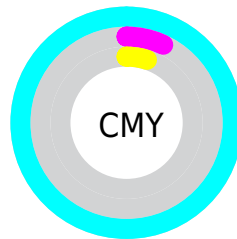
- Red (0%)
- Green (93%)
- Blue (95%)



- Red (0%)
- Yellow (47%)
- Blue (95%)



- Cyan (100%)
- Magenta (2%)
- Yellow (0%)
- Black (5%)





- Cyan (100%)
- Magenta (7%)
- Yellow (5%)


Brightness & Saturation Gradients

These gradients show how the Yxy color 66.9792, 0.2229, 0.3224 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 66.9792, 0.2229, 0.3224 by changing the saturation by 10% instead.

 66.9792, 0.2229,
0.3224

 66.9792, 0.2229,
0.3224


 449.8707, 0.2636,
0.3269


 49.0677, 0.2139,
0.3210

 114.8906, 0.2368,
0.3243


 34.6732, 0.2029,
0.3191


 145.6593, 0.2423,
0.3249


 23.4113, 0.1893,
0.3164


 181.4826, 0.2470,
0.3254

 14.8975, 0.1721,
0.3124

 222.7448, 0.2512,
0.3258

 8.7475, 0.1498,
0.3061

 269.8303, 0.2548,
0.3262

 4.5768, 0.1202,
0.2953

 323.1235, 0.2581,

 2.0012, 0.0767,

0.3265

0.2765

383.0089, 0.2610,
0.3267

■ 0.6082, 0.0000,
0.2327

■ 0.0000, 0.0000,
0.0000

■ 66.9792, 0.2229,
0.3224

■ 66.9792, 0.2229,
0.3224

■ 66.9788, 0.2229,
0.3224

■ 67.4671, 0.2243,
0.3231

■ 68.1991, 0.2271,
0.3237

■ 69.2533, 0.2317,
0.3244

■ 70.6753, 0.2383,
0.3251

■ 72.5032, 0.2469,
0.3258

■ 74.7704, 0.2573,
0.3265

■ 77.5068, 0.2693,
0.3272

■ 80.7398, 0.2828,
0.3278

■ 84.4946, 0.2974,
0.3284

Harmonies

Analogous

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



66.9792, 0.2598, 0.3815



66.9792, 0.2229, 0.3224



66.9792, 0.2091, 0.2728

Triad

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



66.9792, 0.2229, 0.3224



66.9792, 0.3037, 0.2526



66.9792, 0.4120, 0.4095

Complementary

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



66.9792, 0.2229, 0.3224



18.9829, 0.6389, 0.3308

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.



66.9792, 0.4285, 0.3688



66.9792, 0.2229, 0.3224



66.9792, 0.3629, 0.2828

Square

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



66.9792, 0.2229, 0.3224



66.9792, 0.2521, 0.2386



66.9792, 0.4105, 0.3239



66.9792, 0.3689, 0.4333

Rectangle

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



66.9792, 0.2229, 0.3224



66.9792, 0.2133, 0.2513



66.9792, 0.4105, 0.3239



66.9792, 0.4210, 0.3971

Sweetspot

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



66.9817, 0.2229, 0.3224



87.2669, 0.2691, 0.3272



63.4948, 0.2998, 0.5992



18.3862, 0.2639, 0.3269



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.



66.9817, 0.2229, 0.3224



75.4473, 0.2229, 0.3224



19.1399, 0.1749, 0.1495



17.8700, 0.2981, 0.3285



36.0191, 0.2229, 0.3225



3.0140, 0.2232, 0.3234

Inverse Universe

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



24.9896, 0.3262, 0.1571



28.1476, 0.3262, 0.1571



33.5624, 0.5381, 0.4109



16.0255, 0.3141, 0.3062



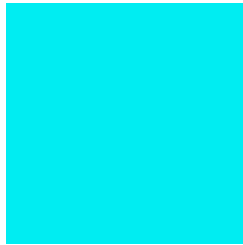
13.4295, 0.3261, 0.1570



1.1190, 0.3254, 0.1566

Previews

White Background



This preview shows how the Yxy color 66.9792, 0.2229, 0.3224 looks on a white background.

Color Contrast Check

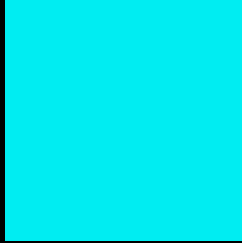
Large Text (above 18pt) WCAG AA × Fail

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 66.9792, 0.2229, 0.3224 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

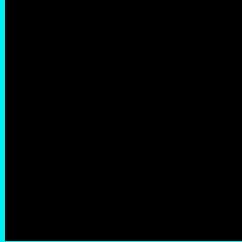
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 66.9792, 0.2229, 0.3224

Background



This preview shows how black text looks on a background with the Yxy color 66.9792, 0.2229, 0.3224.

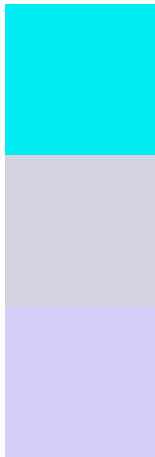


This preview shows how white text looks on a background with the Yxy color 66.9792, 0.2229, 0.3224.

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

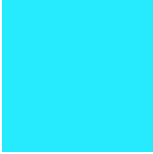
66.9792, 0.2229, 0.3224

Protanopia

66.0218, 0.3040, 0.3134

Deuteranopia

65.9123, 0.2905, 0.2839



Tritanopia

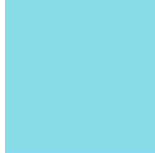
66.9845, 0.2205, 0.3051

Trichromacy



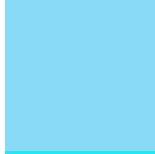
Original Color

66.9792, 0.2229, 0.3224



Protanomaly

62.1068, 0.2538, 0.3152



Deuteranomaly

62.1150, 0.2471, 0.2950



Tritanomaly

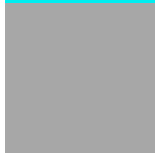
67.0872, 0.2209, 0.3112

Monochromacy



Original Color

66.9792, 0.2229, 0.3224



Achromatopsia

38.6429, 0.3127, 0.3290



Achromatomaly

44.6585, 0.2520, 0.3259

CSS Examples

Text

The CSS property to change the color of the text to Yxy 66.9792, 0.2229, 0.3224 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, 237, 242)` looks like.

```
.text, #text, p{  
    color:rgb(0, 237, 242)  
}
```

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, 237, 242) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 237, 242) }
```

Border

The CSS property to change the border of an element to Yxy 66.9792, 0.2229, 0.3224 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, 237, 242) }
```

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

```
.border{ border-color:rgb(0, 237, 242) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 237, 242)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 237, 242); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 237, 242);  
box-shadow:4px 4px 4px 4px rgb(0, 237,  
242) }
```


Background

The CSS property to change the background color of an element to Yxy 66.9792, 0.2229, 0.3224 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 237, 242) }
```

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

```
.background{ background-color: rgb(0, 237,  
242) }
```

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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