

Converting Colors

$Y_{xy}(62.7595, 0.2241, 0.3268)$

Have a look what the booklet for
Yxy(62.7595, 0.2241, 0.3268)
contains.

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Color

Yxy(62.9780, 0.2243, 0.3274)

Conversions

Conversions Part 1

Format	Color
Hex	00E7E8
RGB	0, 231, 232
RGB Percent	0%, 91%, 91%
CMY	0.9984, 0.0941, 0.0901
CMYK	1.00, 0.00, 0.00, 0.09
HSL	180°, 100%, 46%
HSV	180°, 100%, 91%
XYZ	43.1459, 62.9780, 86.2341
YIQ	162.0450, -137.9970, -48.6610

Conversions

Conversions Part 2

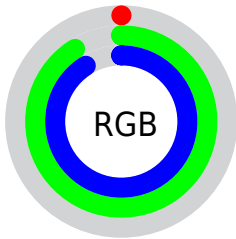
Format	Color
RYB	0, 116, 232
Decimal	59368
CIELab	83.43, -44.31, -13.61
CIELCh	83, 46.353, 197.074
Yxy	62.9780, 0.2243, 0.3274
Android (android.graphics.Color)	4278249448 (0xFF00E7E8)
YUV	162.0450, 34.4878, -142.1135
Hunter-Lab	79.3587, -41.8304, -8.8756

Details

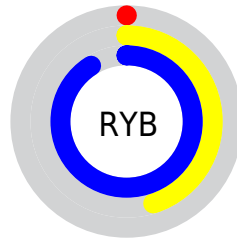
The Yxy color **62.9780, 0.2243, 0.3274** is a light color, and the websafe version is hex **33FFFF**. The color can be described as light washed cyan. A complement of this color would be **17.1898, 0.6396, 0.3302**, and the grayscale version is **36.0980, 0.3127, 0.3290**.

A 20% lighter version of the original color is **82.3848, 0.2430, 0.3288**, and **33.7945, 0.2242, 0.3270** is the 20% darker color. If you saturate the color by 10%, you get **62.9767, 0.2243, 0.3274**, and if you desaturate by 10%, it is **63.2241, 0.2256, 0.3275**.

Distribution



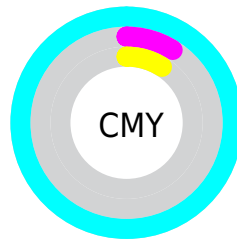
- Red (0%)
- Green (91%)
- Blue (91%)



- Red (0%)
- Yellow (45%)
- Blue (91%)



- Cyan (100%)
- Magenta (0%)
- Yellow (0%)
- Black (9%)




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

Brightness & Saturation Gradients


These gradients show how the Yxy color 62.9780, 0.2243, 0.3274 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 62.9780, 0.2243, 0.3274 by changing the saturation by 10% instead.


 62.9780, 0.2243,
0.3274

 62.9780, 0.2243,
0.3274


435.4896, 0.2649,
0.3295


 45.8234, 0.2152,
0.3266

 109.1378, 0.2383,
0.3284


 32.1065, 0.2040,
0.3253


 138.9117, 0.2438,
0.3287

 21.4429, 0.1901,
0.3234


 173.6610, 0.2485,
0.3290

 13.4481, 0.1723,
0.3205

 213.7698, 0.2526,
0.3291

 7.7378, 0.1490,
0.3154

 259.6227, 0.2563,
0.3293

 3.9277, 0.1176,
0.3061

311.6041, 0.2595,

 1.6332, 0.0593,

0.3294

370.0982, 0.2623,
0.3295

0.2921

■ 0.3798, 0.0000,
0.2107

■ 0.0000, 0.0000,
0.0000

■ 62.9780, 0.2243,
0.3274

■ 62.9780, 0.2243,
0.3274

■ 62.9767, 0.2243,
0.3274

■ 63.2241, 0.2256,
0.3275

■ 63.6915, 0.2282,
0.3277

■ 64.4512, 0.2327,
0.3278

■ 65.5440, 0.2392,
0.3280

■ 67.0042, 0.2476,
0.3282

■ 68.8620, 0.2578,
0.3283

■ 71.1443, 0.2697,
0.3285

■ 73.8757, 0.2831,
0.3287

■ 77.0789, 0.2976,
0.3288

Harmonies

Analogous

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



62.9780, 0.2634, 0.3871



62.9780, 0.2243, 0.3274



62.9780, 0.2083, 0.2757

Triad

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



62.9780, 0.2243, 0.3274



62.9780, 0.2985, 0.2498



62.9780, 0.4158, 0.4072

Complementary

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



62.9780, 0.2243, 0.3274



17.1898, 0.6396, 0.3302

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.



62.9780, 0.4296, 0.3652



62.9780, 0.2243, 0.3274



62.9780, 0.3584, 0.2791

Square

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



62.9780, 0.2243, 0.3274



62.9780, 0.2477, 0.2373



62.9780, 0.4084, 0.3199



62.9780, 0.3740, 0.4335

Rectangle

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



62.9780, 0.2243, 0.3274



62.9780, 0.2111, 0.2527



62.9780, 0.4084, 0.3199



62.9780, 0.4240, 0.3942

Sweetspot

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



62.9803, 0.2243, 0.3274



88.0506, 0.2693, 0.3285



57.7239, 0.3000, 0.5999



18.5774, 0.2641, 0.3284



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.



62.9803, 0.2243, 0.3274



78.0294, 0.2243, 0.3274



18.3693, 0.1766, 0.1557



16.3250, 0.2982, 0.3289



34.9632, 0.2243, 0.3274



2.5872, 0.2243, 0.3276

Inverse Universe

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



22.9363, 0.3220, 0.1548



28.4083, 0.3220, 0.1548



29.6985, 0.5425, 0.4073



14.6141, 0.3139, 0.3060



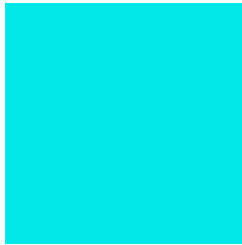
12.7273, 0.3220, 0.1548



0.9409, 0.3218, 0.1547

Previews

White Background



This preview shows how the Yxy color 62.9780, 0.2243, 0.3274 looks on a white background.

Color Contrast Check

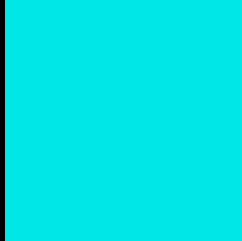
Large Text (above 18pt) WCAG AA × Fail

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 62.9780, 0.2243, 0.3274 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

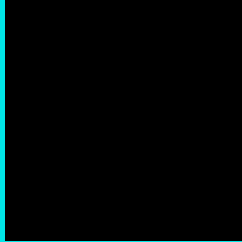
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 62.9780, 0.2243, 0.3274

Background



This preview shows how black text looks on a background with the Yxy color 62.9780, 0.2243, 0.3274.

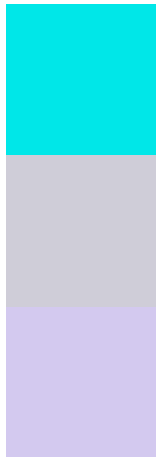


This preview shows how white text looks on a background with the Yxy color 62.9780, 0.2243, 0.3274.

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

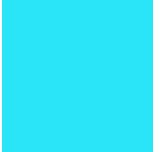
62.9780, 0.2243, 0.3274

Protanopia

61.8859, 0.3065, 0.3164

Deuteranopia

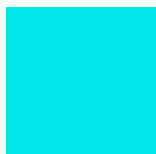
61.8542, 0.2939, 0.2871



Tritanopia

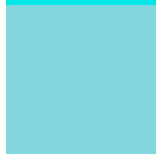
63.2254, 0.2212, 0.3058

Trichromacy



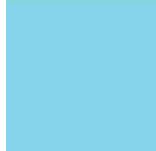
Original Color

62.9780, 0.2243, 0.3274



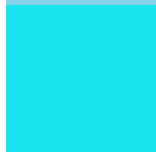
Protanomaly

58.2726, 0.2556, 0.3186



Deuteranomaly

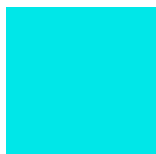
58.2114, 0.2491, 0.2989



Tritanomaly

63.2240, 0.2217, 0.3133

Monochromacy



Original Color

62.9780, 0.2243, 0.3274



Achromatopsia

36.1307, 0.3127, 0.3290



Achromatomaly

42.0121, 0.2531, 0.3288

CSS Examples

Text

The CSS property to change the color of the text to Yxy 62.9780, 0.2243, 0.3274 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, 231, 232)` looks like.

```
.text, #text, p{  
    color:rgb(0, 231, 232)  
}
```

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, 231, 232) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 231, 232) }
```

Border

The CSS property to change the border of an element to Yxy 62.9780, 0.2243, 0.3274 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, 231, 232) }
```

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

```
.border{ border-color:rgb(0, 231, 232) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 231, 232)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 231, 232); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 231, 232);  
box-shadow:4px 4px 4px 4px rgb(0, 231,  
232) }
```


Background

The CSS property to change the background color of an element to Yxy 62.9780, 0.2243, 0.3274 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 231, 232) }
```

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

```
.background{ background-color: rgb(0, 231,  
232) }
```

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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