

Converting Colors

$Yxy(68.6009, 0.2333, 0.3597)$

Have a look what the booklet for
Yxy(68.6009, 0.2333, 0.3597)
contains.

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Color

Yxy(68.6252, 0.2331, 0.3591)

Conversions

Conversions Part 1

Format	Color
Hex	00F2DB
RGB	0, 242, 219
RGB Percent	0%, 95%, 86%
CMY	0.9989, 0.0509, 0.1411
CMYK	1.00, 0.00, 0.09, 0.05
HSL	174°, 100%, 48%
HSV	174°, 100%, 95%
XYZ	44.5462, 68.6252, 77.9319
YIQ	167.0200, -136.8490, -58.4570

Conversions

Conversions Part 2

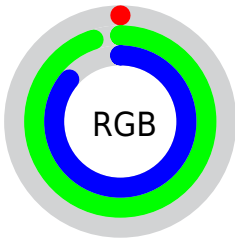
Format	Color
RYB	0, 127, 242
Decimal	62171
CIELab	86.32, -52.64, -2.49
CIELCh	86, 52.702, 182.710
Yxy	68.6252, 0.2331, 0.3591
Android (android.graphics.Color)	4278252251 (0xFF00F2DB)
YUV	167.0200, 25.6261, -146.4765
Hunter-Lab	82.8403, -48.9848, 2.2112

Details

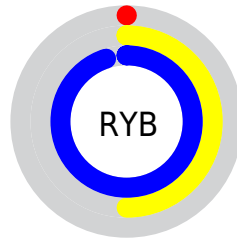
The Yxy color **68.6252, 0.2331, 0.3591** is a light color, and the websafe version is hex **00FFFF**. The color can be described as light saturated cyan. A complement of this color would be **18.9483, 0.6312, 0.3252**, and the grayscale version is **38.6255, 0.3127, 0.3290**.

A 20% lighter version of the original color is **82.3848, 0.2430, 0.3288**, and **37.3783, 0.2346, 0.3647** is the 20% darker color. If you saturate the color by 10%, you get **68.6245, 0.2331, 0.3591**, and if you desaturate by 10%, it is **68.9483, 0.2335, 0.3559**.

Distribution



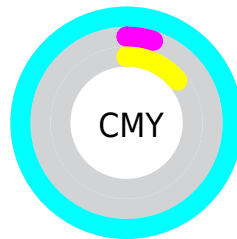
- Red (0%)
- Green (95%)
- Blue (86%)



- Red (0%)
- Yellow (50%)
- Blue (95%)



- Cyan (100%)
- Magenta (0%)
- Yellow (9%)
- Black (5%)




- Cyan (100%)
- Magenta (5%)
- Yellow (14%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 68.6252, 0.2331, 0.3591 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 68.6252, 0.2331, 0.3591 by changing the saturation by 10% instead.

 68.6252, 0.2331,
0.3591


 68.6252, 0.2331,
0.3591


455.7080, 0.2697,
0.3455


 50.4065, 0.2248,
0.3621


 117.2461, 0.2457,
0.3545


 35.7365, 0.2147,
0.3657


 148.4171, 0.2507,
0.3526


 24.2308, 0.2020,
0.3702


 184.6744, 0.2549,
0.3511

 15.5049, 0.1857,
0.3759

 226.4022, 0.2586,
0.3497

 9.1745, 0.1641,
0.3832

 273.9851, 0.2619,
0.3485

 4.8552, 0.1344,
0.3927


327.8075, 0.2648,

 2.1625, 0.0818,


0.3474


0.4096

388.2536, 0.2674,
0.3464


 0.6995, 0.0000,
0.4277


 0.0000, 0.0000,
0.0000


 68.6252, 0.2331,
0.3591


 68.6252, 0.2331,
0.3591

 68.6245, 0.2331,
0.3591

 68.9483, 0.2335,
0.3559

 69.5171, 0.2354,
0.3526

 70.4095, 0.2392,
0.3493

 71.6710, 0.2449,
0.3460

■ 73.3396, 0.2526,
0.3428

■ 75.4488, 0.2620,
0.3397

■ 78.0285, 0.2731,
0.3367

■ 81.1060, 0.2854,
0.3339

■ 84.7066, 0.2988,
0.3313

Harmonies

Analogous

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



68.6252, 0.2853, 0.4204



68.6252, 0.2331, 0.3591



68.6252, 0.2036, 0.2943

Triad

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



68.6252, 0.2331, 0.3591



68.6252, 0.2679, 0.2336



68.6252, 0.4380, 0.3926

Complementary

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



68.6252, 0.2331, 0.3591



18.9483, 0.6312, 0.3252

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.



68.6252, 0.4355, 0.3438



68.6252, 0.2331, 0.3591



68.6252, 0.3310, 0.2573

Square

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



68.6252, 0.2331, 0.3591



68.6252, 0.2222, 0.2299



68.6252, 0.3948, 0.2962



68.6252, 0.4044, 0.4328

Rectangle

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



68.6252, 0.2331, 0.3591



68.6252, 0.1984, 0.2616



68.6252, 0.3948, 0.2962



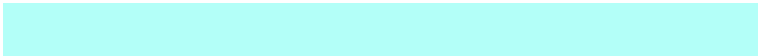
68.6252, 0.4416, 0.3767

Sweetspot

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



68.6278, 0.2331, 0.3591



87.8045, 0.2728, 0.3368



63.7107, 0.3019, 0.5984



18.5176, 0.2680, 0.3380



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.



68.6278, 0.2331, 0.3591



77.2755, 0.2331, 0.3592



26.7628, 0.1862, 0.1901



17.9015, 0.2994, 0.3312



36.8734, 0.2330, 0.3586



3.0750, 0.2318, 0.3543

Inverse Universe

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



18.9483, 0.6312, 0.3252



21.3270, 0.6317, 0.3254



27.4251, 0.5722, 0.3837



15.7832, 0.3278, 0.3268



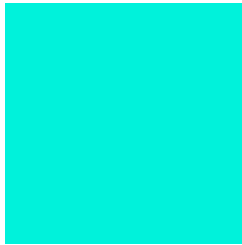
10.1829, 0.6292, 0.3240



0.8553, 0.6054, 0.3109

Previews

White Background



This preview shows how the Yxy color 68.6252, 0.2331, 0.3591 looks on a white background.

Color Contrast Check

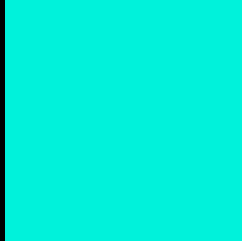
Large Text (above 18pt) WCAG AA × Fail

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 68.6252, 0.2331, 0.3591 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

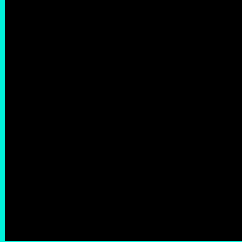
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 68.6252, 0.2331, 0.3591

Background



This preview shows how black text looks on a background with the Yxy color 68.6252, 0.2331, 0.3591.

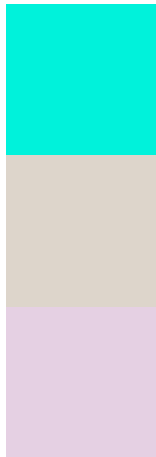


This preview shows how white text looks on a background with the Yxy color 68.6252, 0.2331, 0.3591.

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

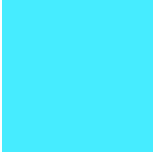
68.6187, 0.2331, 0.3591

Protanopia

67.2724, 0.3256, 0.3402

Deuteranopia

67.3158, 0.3152, 0.3087



Tritanopia

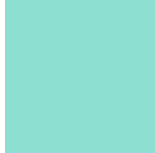
68.5130, 0.2255, 0.3055

Trichromacy



Original Color

68.6187, 0.2331, 0.3591



Protanomaly

63.5775, 0.2690, 0.3479



Deuteranomaly

62.6792, 0.2630, 0.3239



Tritanomaly

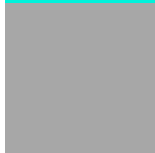
68.1178, 0.2266, 0.3237

Monochromacy



Original Color

68.6187, 0.2331, 0.3591



Achromatopsia

38.6429, 0.3127, 0.3290



Achromatomaly

45.1929, 0.2570, 0.3406

CSS Examples

Text

The CSS property to change the color of the text to Yxy 68.6252, 0.2331, 0.3591 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, 242, 219)` looks like.

```
.text, #text, p{  
    color:rgb(0, 242, 219)  
}
```

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, 242, 219) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 242, 219) }
```

Border

The CSS property to change the border of an element to Yxy 68.6252, 0.2331, 0.3591 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, 242, 219) }
```

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

```
.border{ border-color:rgb(0, 242, 219) }
```

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

Here you see how a box with a 4 pixel rgb(0, 242, 219) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 242, 219); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 242, 219);  
box-shadow:4px 4px 4px 4px rgb(0, 242,  
219) }
```


Background

The CSS property to change the background color of an element to Yxy 68.6252, 0.2331, 0.3591 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 242, 219) }
```

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

```
.background{ background-color: rgb(0, 242,  
219) }
```

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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