

Converting Colors

$Y_{xy}(76.3034, 0.2246, 0.3291)$

Have a look what the booklet for
Yxy(76.3034, 0.2246, 0.3291)
contains.

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Color

Yxy(76.5858, 0.2250, 0.3300)

Conversions

Conversions Part 1

Format	Color
Hex	00FCFB
RGB	0, 252, 251
RGB Percent	0%, 99%, 98%
CMY	1.0000, 0.0117, 0.0158
CMYK	1.00, 0.00, 0.00, 0.01
HSL	180°, 100%, 49%
HSV	180°, 100%, 99%
XYZ	52.2176, 76.5858, 103.2748
YIQ	176.5380, -149.8710, -53.7350

Conversions

Conversions Part 2

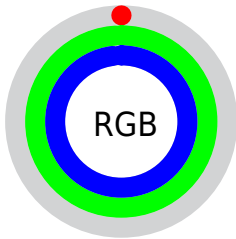
Format	Color
RYB	0, 126, 252
Decimal	64763
CIELab	90.13, -47.95, -13.52
CIELCh	90, 49.821, 195.748
Yxy	76.5858, 0.2250, 0.3300
Android (android.graphics.Color)	4278254843 (0xFF00FCFB)
YUV	176.5380, 36.7098, -154.8238
Hunter-Lab	87.5133, -46.6406, -8.7090

Details

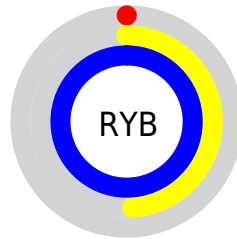
The Yxy color **76.5858, 0.2250, 0.3300** is a light color, and the websafe version is hex **00FFFF**. The color can be described as light saturated cyan. A complement of this color would be **20.6993, 0.6398, 0.3298**, and the grayscale version is **43.5757, 0.3127, 0.3290**.

A 20% lighter version of the original color is **82.7331, 0.2446, 0.3288**, and **42.9703, 0.2247, 0.3287** is the 20% darker color. If you saturate the color by 10%, you get **76.5895, 0.2250, 0.3300**, and if you desaturate by 10%, it is **76.8053, 0.2261, 0.3299**.

Distribution



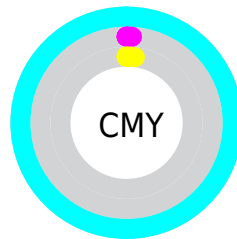
- Red (0%)
- Green (99%)
- Blue (98%)



- Red (0%)
- Yellow (49%)
- Blue (99%)



- Cyan (100%)
- Magenta (0%)
- Yellow (0%)
- Black (1%)





- Cyan (100%)
- Magenta (1%)
- Yellow (2%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 76.5858, 0.2250, 0.3300 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 76.5858, 0.2250, 0.3300 by changing the saturation by 10% instead.


 76.5858, 0.2250,
0.3300


 76.5858, 0.2250,
0.3300


483.3506, 0.2639,
0.3309


 56.9130, 0.2166,
0.3295


 128.5546, 0.2382,
0.3305


 40.9354, 0.2064,
0.3287


 161.6194, 0.2434,
0.3307

 28.2686, 0.1938,
0.3276


 199.9170, 0.2479,
0.3308

 18.5282, 0.1781,
0.3256

 243.8318, 0.2519,
0.3308

 11.3299, 0.1579,
0.3224

293.7482, 0.2554,
0.3309

 6.2892, 0.1315,
0.3165


350.0505, 0.2586,


 3.0217, 0.0961,


0.3309


413.1232, 0.2614,
0.3309


0.3051


 1.1431, 0.0000,
0.2947


 0.0145, 0.0000,
0.0148

 76.5858, 0.2250,
0.3300


 76.5858, 0.2250,
0.3300


 76.5895, 0.2250,
0.3300

 76.8053, 0.2261,
0.3299


 77.2909, 0.2286,
0.3298

 78.1294, 0.2330,
0.3296


 79.3710, 0.2393,
0.3295

 81.0581, 0.2475,
0.3294

 83.2277, 0.2577,
0.3293

 85.9127, 0.2695,
0.3292

 89.1436, 0.2828,
0.3291

 92.9480, 0.2973,
0.3291

Harmonies

Analogous

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



76.5858, 0.2652, 0.3900



76.5858, 0.2250, 0.3300



76.5858, 0.2078, 0.2772

Triad

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



76.5858, 0.2250, 0.3300



76.5858, 0.2958, 0.2484



76.5858, 0.4177, 0.4060

Complementary

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



76.5858, 0.2250, 0.3300



20.6993, 0.6398, 0.3298

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.



76.5858, 0.4303, 0.3634



76.5858, 0.2250, 0.3300



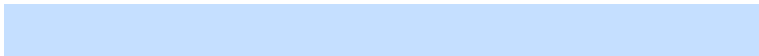
76.5858, 0.3561, 0.2772

Square

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



76.5858, 0.2250, 0.3300



76.5858, 0.2454, 0.2366



76.5858, 0.4074, 0.3178



76.5858, 0.3767, 0.4336

Rectangle

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



76.5858, 0.2250, 0.3300



76.5858, 0.2100, 0.2534



76.5858, 0.4074, 0.3178



76.5858, 0.4256, 0.3927

Sweetspot

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



76.5895, 0.2250, 0.3300



88.2440, 0.2695, 0.3292



69.6532, 0.3002, 0.5998



18.6246, 0.2643, 0.3292



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.



76.5895, 0.2250, 0.3300



78.6728, 0.2250, 0.3300



23.0485, 0.1779, 0.1602



19.6073, 0.2981, 0.3291



39.8939, 0.2250, 0.3300



3.6953, 0.2250, 0.3298

Inverse Universe

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



20.6993, 0.6398, 0.3298



21.2623, 0.6398, 0.3298



34.5680, 0.5485, 0.4027



17.2264, 0.3294, 0.3290



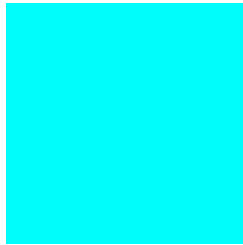
10.7822, 0.6397, 0.3297



0.9990, 0.6386, 0.3292

Previews

White Background



This preview shows how the Yxy color 76.5858, 0.2250, 0.3300 looks on a white background.

Color Contrast Check

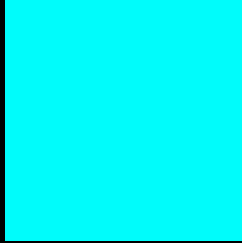
Large Text (above 18pt) WCAG AA × Fail

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 76.5858, 0.2250, 0.3300 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

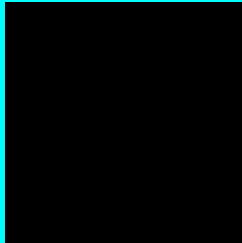
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

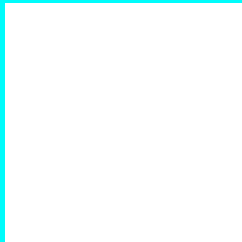
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 76.5858, 0.2250, 0.3300

Background



This preview shows how black text looks on a background with the Yxy color 76.5858, 0.2250, 0.3300.

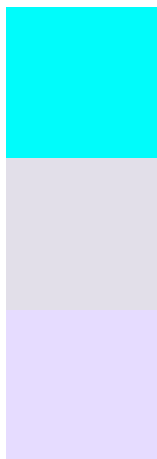


This preview shows how white text looks on a background with the Yxy color 76.5858, 0.2250, 0.3300.

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

76.5858, 0.2250, 0.3300

Protanopia

74.8273, 0.3083, 0.3184

Deuteranopia

75.2294, 0.2972, 0.2932



Tritanopia

75.9702, 0.2505, 0.3128

Trichromacy



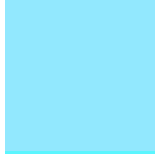
Original Color

76.5858, 0.2250, 0.3300



Protanomaly

71.0662, 0.2565, 0.3217



Deuteranomaly

70.9800, 0.2505, 0.3034



Tritanomaly

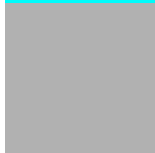
74.6847, 0.2336, 0.3180

Monochromacy



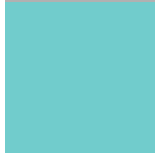
Original Color

76.5858, 0.2250, 0.3300



Achromatopsia

43.9657, 0.3127, 0.3290



Achromatomaly

51.0561, 0.2531, 0.3288

CSS Examples

Text

The CSS property to change the color of the text to Yxy 76.5858, 0.2250, 0.3300 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, 252, 251)` looks like.

```
.text, #text, p{  
    color:rgb(0, 252, 251)  
}
```

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, 252, 251) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 252, 251) }
```

Border

The CSS property to change the border of an element to Yxy 76.5858, 0.2250, 0.3300 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, 252, 251) }
```

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

```
.border{ border-color:rgb(0, 252, 251) }
```

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

Here you see how a box with a 4 pixel rgb(0, 252, 251) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 252, 251); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 252, 251);  
box-shadow:4px 4px 4px 4px rgb(0, 252,  
251) }
```


Background

The CSS property to change the background color of an element to Yxy 76.5858, 0.2250, 0.3300 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 252, 251) }
```

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

```
.background{ background-color: rgb(0, 252,  
251) }
```

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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