

Converting Colors

$Y_{xy}(76.9724, 0.2351, 0.3664)$

Have a look what the booklet for
Yxy(76.9724, 0.2351, 0.3664)
contains.

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Color

Yxy(76.9562, 0.2352, 0.3668)

Conversions

Conversions Part 1

Format	Color
Hex	00FFE1
RGB	0, 255, 225
RGB Percent	0%, 100%, 88%
CMY	1.0000, 0.0000, 0.1176
CMYK	1.00, 0.00, 0.12, 0.00
HSL	173°, 100%, 50%
HSV	173°, 100%, 100%
XYZ	49.3460, 76.9562, 83.5021
YIQ	175.3350, -142.3500, -63.3900

Conversions

Conversions Part 2

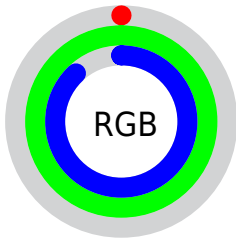
Format	Color
RYB	0, 135, 255
Decimal	65505
CIELab	90.30, -56.34, 0.21
CIELCh	90, 56.337, 179.785
Yxy	76.9562, 0.2352, 0.3668
Android (android.graphics.Color)	4278255585 (0xFF00FFE1)
YUV	175.3350, 24.4848, -153.7688
Hunter-Lab	87.7247, -53.1103, 4.9712

Details

The Yxy color **76.9562, 0.2352, 0.3668** is a light color, and the websafe version is hex **33FFCC**. The color can be described as light saturated cyan. A complement of this color would be **21.3536, 0.6285, 0.3236**, and the grayscale version is **42.9793, 0.3127, 0.3290**.

A 20% lighter version of the original color is **82.5916, 0.2440, 0.3288**, and **42.8348, 0.2369, 0.3727** is the 20% darker color. If you saturate the color by 10%, you get **76.9575, 0.2352, 0.3668**, and if you desaturate by 10%, it is **77.3356, 0.2354, 0.3627**.

Distribution



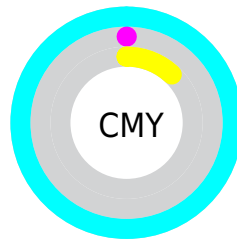
- Red (0%)
- Green (100%)
- Blue (88%)



- Red (0%)
- Yellow (53%)
- Blue (100%)



- Cyan (100%)
- Magenta (0%)
- Yellow (12%)
- Black (0%)





- Cyan (100%)
- Magenta (0%)
- Yellow (12%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 76.9562, 0.2352, 0.3668 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 76.9562, 0.2352, 0.3668 by changing the saturation by 10% instead.

 76.9562, 0.2352,
0.3668

 76.9562, 0.2352,
0.3668


484.6147, 0.2703,
0.3497

 57.2169, 0.2274,
0.3706

 129.0777, 0.2472,
0.3609


 41.1794, 0.2179,
0.3752


 162.2286, 0.2519,
0.3586

 28.4593, 0.2061,
0.3810


 200.6189, 0.2560,
0.3566

 18.6722, 0.1911,
0.3884

 244.6330, 0.2596,
0.3549

 11.4336, 0.1713,
0.3981

294.6552, 0.2627,
0.3534

 6.3593, 0.1445,
0.4113

351.0700, 0.2655,

 3.0648, 0.1067,

0.3520

0.4299

414.2617, 0.2680,
0.3508

■ 1.1656, 0.0000,
0.4822

■ 0.0334, 0.0000,
0.6078

■ 76.9562, 0.2352,
0.3668

■ 76.9562, 0.2352,
0.3668


■ 76.9575, 0.2352,
0.3668

■ 77.3356, 0.2354,
0.3627


■ 77.9943, 0.2370,
0.3586


■ 79.0185, 0.2406,
0.3545


■ 80.4600, 0.2461,
0.3503

 82.3625, 0.2536,
0.3463

 84.7639, 0.2629,
0.3424

 87.6985, 0.2737,
0.3387

 91.1972, 0.2858,
0.3352

 95.2888, 0.2989,
0.3319

Harmonies

Analogous

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



76.9562, 0.2905, 0.4280



76.9562, 0.2352, 0.3668



76.9562, 0.2025, 0.2989

Triad

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



76.9562, 0.2352, 0.3668



76.9562, 0.2611, 0.2299



76.9562, 0.4429, 0.3892

Complementary

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



76.9562, 0.2352, 0.3668



21.3536, 0.6285, 0.3236

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.



76.9562, 0.4366, 0.3389



76.9562, 0.2352, 0.3668



76.9562, 0.3247, 0.2523

Square

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



76.9562, 0.2352, 0.3668



76.9562, 0.2166, 0.2282



76.9562, 0.3914, 0.2908



76.9562, 0.4114, 0.4322

Rectangle

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



76.9562, 0.2352, 0.3668



76.9562, 0.1956, 0.2638



76.9562, 0.3914, 0.2908



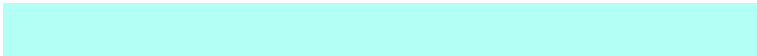
76.9562, 0.4455, 0.3727

Sweetspot

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



76.9575, 0.2352, 0.3668



87.6985, 0.2737, 0.3387



71.8601, 0.3029, 0.5977



18.4919, 0.2689, 0.3402



0.0000, 0.0000, 0.0000



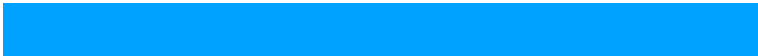
21.4041, 0.3127, 0.3290

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



76.9575, 0.2352, 0.3668



32.8848, 0.1894, 0.2016



20.4425, 0.2996, 0.3318



40.2266, 0.2350, 0.3661



3.9267, 0.2337, 0.3614

Inverse Universe

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



21.3536, 0.6285, 0.3236



29.1768, 0.5823, 0.3759



18.0218, 0.3276, 0.3262



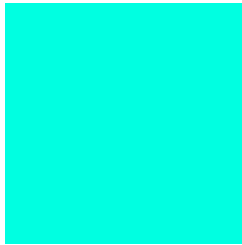
11.1686, 0.6260, 0.3222



1.0980, 0.6023, 0.3092

Previews

White Background



This preview shows how the Yxy color 76.9562, 0.2352, 0.3668 looks on a white background.

Color Contrast Check

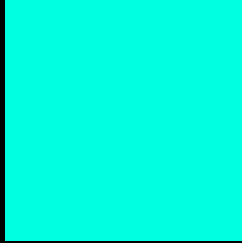
Large Text (above 18pt) WCAG AA × Fail

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 76.9562, 0.2352, 0.3668 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

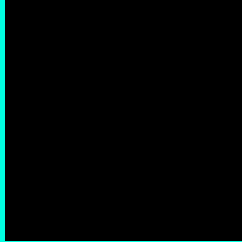
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 76.9562, 0.2352, 0.3668

Background



This preview shows how black text looks on a background with the Yxy color 76.9562, 0.2352, 0.3668.

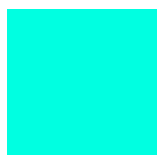


This preview shows how white text looks on a background with the Yxy color 76.9562, 0.2352, 0.3668.

Color Blindness Simulation

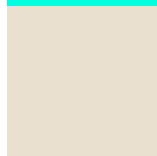
Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy



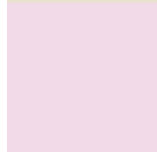
Original Color

76.9562, 0.2352, 0.3668



Protanopia

75.1890, 0.3298, 0.3461



Deuteranopia

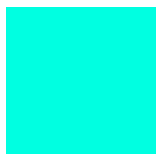
75.0807, 0.3206, 0.3137



Tritanopia

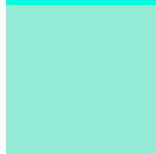
76.2416, 0.2518, 0.3129

Trichromacy



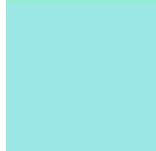
Original Color

76.9562, 0.2352, 0.3668



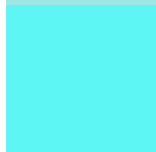
Protanomaly

70.5676, 0.2716, 0.3546



Deuteranomaly

69.8336, 0.2665, 0.3301



Tritanomaly

74.7703, 0.2383, 0.3312

Monochromacy



Original Color

76.9562, 0.2352, 0.3668



Achromatopsia

42.8690, 0.3127, 0.3290



Achromatomaly

50.4155, 0.2581, 0.3444

CSS Examples

Text

The CSS property to change the color of the text to Yxy 76.9562, 0.2352, 0.3668 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, 255, 225)` looks like.

```
.text, #text, p{  
    color:rgb(0, 255, 225)  
}
```

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, 255, 225) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 255, 225) }
```

Border

The CSS property to change the border of an element to Yxy 76.9562, 0.2352, 0.3668 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, 255, 225) }
```

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

```
.border{ border-color:rgb(0, 255, 225) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 255, 225)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 255, 225); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 255, 225);  
box-shadow:4px 4px 4px 4px rgb(0, 255,  
225) }
```

Background

The CSS property to change the background color of an element to Yxy 76.9562, 0.2352, 0.3668 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 255, 225) }
```

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

```
.background{ background-color: rgb(0, 255,  
225) }
```

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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