

Converting Colors

$Y_{xy}(77.0792, 0.2344, 0.3639)$

Have a look what the booklet for
Yxy(77.0792, 0.2344, 0.3639)
contains.

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Color

Yxy(77.0661, 0.2345, 0.3642)

Conversions

Conversions Part 1

Format	Color
Hex	00FFE3
RGB	0, 255, 227
RGB Percent	0%, 100%, 89%
CMY	1.0000, 0.0000, 0.1099
CMYK	1.00, 0.00, 0.11, 0.00
HSL	173°, 100%, 50%
HSV	173°, 100%, 100%
XYZ	49.6211, 77.0661, 84.9166
YIQ	175.5630, -142.9920, -62.7680

Conversions

Conversions Part 2

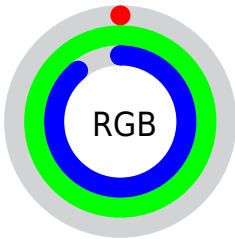
Format	Color
RYB	0, 135, 255
Decimal	65507
CIELab	90.35, -55.81, -0.73
CIELCh	90, 55.814, 180.748
Yxy	77.0661, 0.2345, 0.3642
Android (android.graphics.Color)	4278255587 (0xFF00FFE3)
YUV	175.5630, 25.3584, -153.9688
Hunter-Lab	87.7873, -52.7320, 4.0999

Details

The Yxy color **77.0661, 0.2345, 0.3642** 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 **21.3439, 0.6297, 0.3242**, and the grayscale version is **43.0968, 0.3127, 0.3290**.

A 20% lighter version of the original color is **82.5916, 0.2440, 0.3288**, and **42.9111, 0.2359, 0.3693** is the 20% darker color. If you saturate the color by 10%, you get **77.0649, 0.2345, 0.3642**, and if you desaturate by 10%, it is **77.4340, 0.2347, 0.3604**.

Distribution



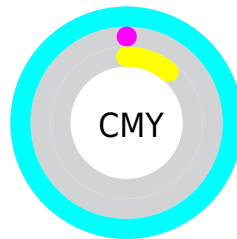
- Red (0%)
- Green (100%)
- Blue (89%)



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



- Cyan (100%)
- Magenta (0%)
- Yellow (11%)
- Black (0%)




- Cyan (100%)
- Magenta (0%)
- Yellow (11%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 77.0661, 0.2345, 0.3642 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 77.0661, 0.2345, 0.3642 by changing the saturation by 10% instead.


 77.0661, 0.2345,
0.3642

 77.0661, 0.2345,
0.3642


484.9894, 0.2698,
0.3484

 57.3071, 0.2267,
0.3677


 129.2328, 0.2466,
0.3588


 41.2519, 0.2171,
0.3719


 162.4093, 0.2513,
0.3567


 28.5159, 0.2053,
0.3772


 200.8271, 0.2554,
0.3548

 18.7150, 0.1902,
0.3838

 244.8706, 0.2590,
0.3532

 11.4645, 0.1705,
0.3925

 294.9242, 0.2622,
0.3518

 6.3802, 0.1438,
0.4041


351.3722, 0.2650,


 3.0776, 0.1063,


0.3505

0.4201


414.5992, 0.2676,
0.3494


 1.1724, 0.0000,
0.4668


 0.0390, 0.0000,
0.2944


 77.0661, 0.2345,
0.3642


 77.0661, 0.2345,
0.3642

 77.0649, 0.2345,
0.3642

 77.4340, 0.2347,
0.3604

 78.0832, 0.2364,
0.3566

 79.0975, 0.2401,
0.3527

 80.5289, 0.2456,
0.3489

■ 82.4208, 0.2532,
0.3451

■ 84.8113, 0.2625,
0.3415

■ 87.7346, 0.2734,
0.3380

■ 91.2217, 0.2856,
0.3348

■ 95.3012, 0.2988,
0.3318

Harmonies

Analogous

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



77.0661, 0.2887, 0.4255



77.0661, 0.2345, 0.3642



77.0661, 0.2029, 0.2974

Triad

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



77.0661, 0.2345, 0.3642



77.0661, 0.2634, 0.2312



77.0661, 0.4413, 0.3904

Complementary

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



77.0661, 0.2345, 0.3642



21.3439, 0.6297, 0.3242

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.



77.0661, 0.4363, 0.3405



77.0661, 0.2345, 0.3642



77.0661, 0.3268, 0.2540

Square

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



77.0661, 0.2345, 0.3642



77.0661, 0.2185, 0.2288



77.0661, 0.3926, 0.2926



77.0661, 0.4091, 0.4324

Rectangle

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



77.0661, 0.2345, 0.3642



77.0661, 0.1966, 0.2630



77.0661, 0.3926, 0.2926



77.0661, 0.4442, 0.3740

Sweetspot

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



77.0649, 0.2345, 0.3642



87.7346, 0.2734, 0.3380



71.7923, 0.3023, 0.5981



18.5007, 0.2686, 0.3395



0.0000, 0.0000, 0.0000



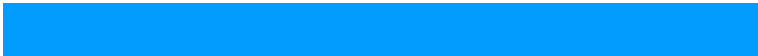
21.4041, 0.3127, 0.3290

Same Dimension

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



77.0649, 0.2345, 0.3642



31.4186, 0.1877, 0.1956



20.4450, 0.2995, 0.3316



40.2819, 0.2343, 0.3636



3.9315, 0.2331, 0.3592

Inverse Universe

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



21.3439, 0.6297, 0.3242



29.9487, 0.5777, 0.3795



18.0195, 0.3277, 0.3264



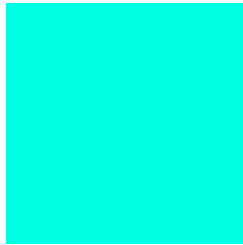
11.1630, 0.6273, 0.3229



1.0970, 0.6046, 0.3104

Previews

White Background



This preview shows how the Yxy color 77.0661, 0.2345, 0.3642 looks on a white background.

Color Contrast Check

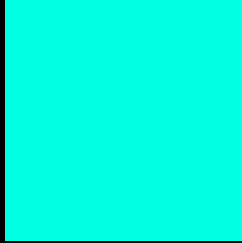
Large Text (above 18pt) WCAG AA × Fail

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 77.0661, 0.2345, 0.3642 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

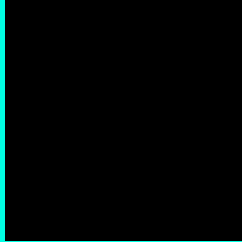
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

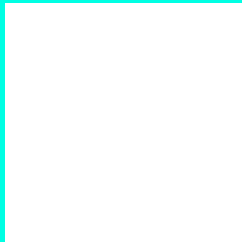
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 77.0661, 0.2345, 0.3642

Background



This preview shows how black text looks on a background with the Yxy color 77.0661, 0.2345, 0.3642.



This preview shows how white text looks on a background with the Yxy color 77.0661, 0.2345, 0.3642.

Color Blindness Simulation

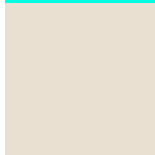
Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy



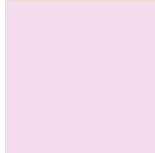
Original Color

77.0661, 0.2345, 0.3642



Protanopia

75.2881, 0.3284, 0.3439



Deuteranopia

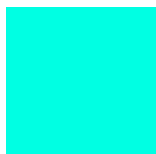
75.7159, 0.3192, 0.3127



Tritanopia

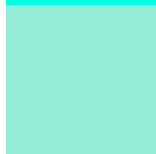
76.3336, 0.2522, 0.3129

Trichromacy



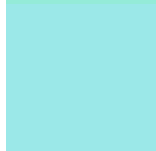
Original Color

77.0661, 0.2345, 0.3642



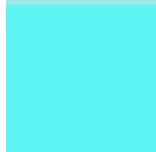
Protanomaly

70.6704, 0.2706, 0.3521



Deuteranomaly

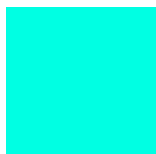
70.5080, 0.2656, 0.3289



Tritanomaly

74.8838, 0.2382, 0.3300

Monochromacy



Original Color

77.0661, 0.2345, 0.3642



Achromatopsia

43.4154, 0.3127, 0.3290



Achromatomaly

51.0475, 0.2577, 0.3429

CSS Examples

Text

The CSS property to change the color of the text to Yxy 77.0661, 0.2345, 0.3642 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, 227)` looks like.

```
.text, #text, p{  
    color:rgb(0, 255, 227)  
}
```

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, 227) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 255, 227) }
```

Border

The CSS property to change the border of an element to Yxy 77.0661, 0.2345, 0.3642 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, 227) }
```

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

```
.border{ border-color:rgb(0, 255, 227) }
```

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, 227)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 255, 227); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 255, 227);  
box-shadow:4px 4px 4px 4px rgb(0, 255,  
227) }
```

Background

The CSS property to change the background color of an element to Yxy 77.0661, 0.2345, 0.3642 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, 227) }
```

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

```
.background{ background-color: rgb(0, 255,  
227) }
```

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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