

Converting Colors

$Y_{xy}(67.3231, 0.1279, 0.1866)$

Have a look what the booklet for
Yxy(67.3231, 0.1279, 0.1866)
contains.

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Color

Yxy(73.1315, 0.2216, 0.3177)

Conversions

Conversions Part 1

Format	Color
Hex	00F6FF
RGB	0, 246, 255
RGB Percent	0%, 96%, 100%
CMY	0.9987, 0.0353, 0.0000
CMYK	1.00, 0.04, 0.00, 0.00
HSL	182°, 100%, 50%
HSV	182°, 100%, 100%
XYZ	51.0102, 73.1315, 106.0487
YIQ	173.4720, -149.5050, -49.3530

Conversions

Conversions Part 2

Format	Color
RYB	0, 125, 255
Decimal	63231
CIELab	88.51, -44.15, -18.06
CIELCh	89, 47.699, 202.247
Yxy	73.1315, 0.2216, 0.3177
Android (android.graphics.Color)	4278253311 (0xFF00F6FF)
YUV	173.4720, 40.1933, -152.1349
Hunter-Lab	85.5170, -43.1808, -13.6631

Details

The Yxy color **73.1315, 0.2216, 0.3177** is a light color, and the websafe version is hex **33FFFF**. The color can be described as light saturated cyan. A complement of this color would be **21.4633, 0.6382, 0.3313**, and the grayscale version is **41.9433, 0.3127, 0.3290**.

A 20% lighter version of the original color is **82.7331, 0.2446, 0.3288**, and **40.4724, 0.2208, 0.3147** is the 20% darker color. If you saturate the color by 10%, you get **73.1238, 0.2216, 0.3177**, and if you desaturate by 10%, it is **73.8979, 0.2231, 0.3189**.

Distribution



- Red (0%)
- Green (96%)
- Blue (100%)



- Red (0%)
- Yellow (49%)
- Blue (100%)



- Cyan (100%)
- Magenta (4%)
- Yellow (0%)
- Black (0%)





- Cyan (100%)
- Magenta (4%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 73.1315, 0.2216, 0.3177 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 73.1315, 0.2216, 0.3177 by changing the saturation by 10% instead.

 73.1315, 0.2216,
0.3177


 73.1315, 0.2216,
0.3177


471.4704, 0.2622,
0.3244

 54.0835, 0.2128,
0.3158


 123.6639, 0.2353,
0.3203


 38.6684, 0.2022,
0.3134

 155.9170, 0.2408,
0.3212

 26.5019, 0.1891,
0.3100


 193.3407, 0.2455,
0.3220

 17.1995, 0.1727,
0.3053

 236.3193, 0.2496,
0.3227

 10.3768, 0.1518,
0.2982

285.2371, 0.2533,
0.3232

 5.6495, 0.1244,
0.2868

340.4787, 0.2566,

 2.6332, 0.0883,

0.3237

0.2672

402.4283, 0.2595,
0.3241

■ 0.9434, 0.0000,
0.2400

■ 0.0000, 0.0000,
0.0000

■ 73.1315, 0.2216,
0.3177

■ 73.1315, 0.2216,
0.3177

■ 73.1238, 0.2216,
0.3177

■ 73.8979, 0.2231,
0.3189

■ 74.9452, 0.2261,
0.3201

■ 76.3585, 0.2309,
0.3212

■ 78.1895, 0.2377,
0.3225

■ 80.4817, 0.2464,
0.3237

■ 83.2731, 0.2570,
0.3248

■ 86.5978, 0.2692,
0.3260

■ 90.4867, 0.2828,
0.3271

■ 94.9686, 0.2975,
0.3281

Harmonies

Analogous

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



73.1315, 0.2564, 0.3762



73.1315, 0.2216, 0.3177



73.1315, 0.2099, 0.2701

Triad

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



73.1315, 0.2216, 0.3177



73.1315, 0.3087, 0.2552



73.1315, 0.4083, 0.4117

Complementary

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



73.1315, 0.2216, 0.3177



21.4633, 0.6382, 0.3313

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.



73.1315, 0.4273, 0.3723



73.1315, 0.2216, 0.3177



73.1315, 0.3672, 0.2864

Square

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



73.1315, 0.2216, 0.3177



73.1315, 0.2564, 0.2398



73.1315, 0.4123, 0.3277



73.1315, 0.3640, 0.4330

Rectangle

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



73.1315, 0.2216, 0.3177



73.1315, 0.2154, 0.2501



73.1315, 0.4123, 0.3277



73.1315, 0.4180, 0.3998

Sweetspot

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



73.1330, 0.2216, 0.3177



86.5512, 0.2690, 0.3260



71.5415, 0.2996, 0.5985



18.2118, 0.2637, 0.3255



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.



73.1330, 0.2216, 0.3177



73.1238, 0.2216, 0.3177



20.4577, 0.1733, 0.1437



20.3648, 0.2980, 0.3281



38.2577, 0.2216, 0.3179



3.7581, 0.2220, 0.3192

Inverse Universe

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



27.9209, 0.3301, 0.1593



27.9130, 0.3301, 0.1592



38.9124, 0.5334, 0.4146



18.2886, 0.3144, 0.3064



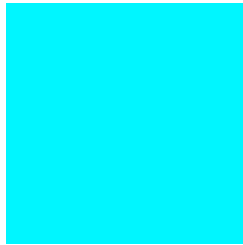
14.5901, 0.3300, 0.1591



1.4239, 0.3289, 0.1585

Previews

White Background



This preview shows how the Yxy color 73.1315, 0.2216, 0.3177 looks on a white background.

Color Contrast Check

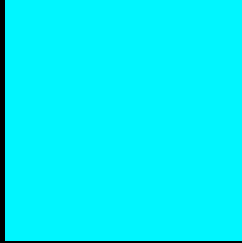
Large Text (above 18pt) WCAG AA × Fail

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 73.1315, 0.2216, 0.3177 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

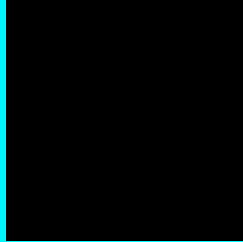
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 73.1315, 0.2216, 0.3177

Background



This preview shows how black text looks on a background with the Yxy color 73.1315, 0.2216, 0.3177.

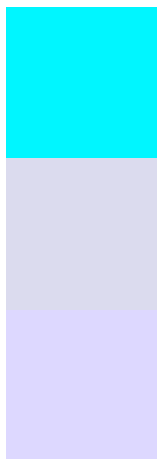


This preview shows how white text looks on a background with the Yxy color 73.1315, 0.2216, 0.3177.

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

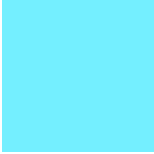
73.1315, 0.2216, 0.3177

Protanopia

71.8962, 0.3004, 0.3086

Deuteranopia

71.7039, 0.2911, 0.2882



Tritanopia

72.6660, 0.2394, 0.3099

Trichromacy



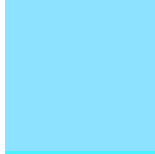
Original Color

73.1315, 0.2216, 0.3177



Protanomaly

68.0592, 0.2513, 0.3109



Deuteranomaly

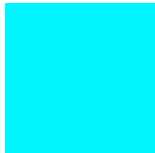
67.8209, 0.2467, 0.2961



Tritanomaly

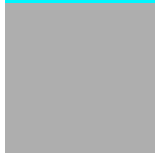
72.1801, 0.2282, 0.3130

Monochromacy



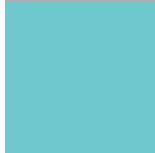
Original Color

73.1315, 0.2216, 0.3177



Achromatopsia

42.3268, 0.3127, 0.3290



Achromatomaly

48.9999, 0.2517, 0.3246

CSS Examples

Text

The CSS property to change the color of the text to Yxy 73.1315, 0.2216, 0.3177 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, 246, 255)` looks like.

```
.text, #text, p{  
    color:rgb(0, 246, 255)  
}
```

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, 246, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 246, 255) }
```

Border

The CSS property to change the border of an element to Yxy 73.1315, 0.2216, 0.3177 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, 246, 255) }
```

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

```
.border{ border-color:rgb(0, 246, 255) }
```

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

Here you see how a box with a 4 pixel rgb(0, 246, 255) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 246, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 246, 255);  
box-shadow:4px 4px 4px 4px rgb(0, 246,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 73.1315, 0.2216, 0.3177 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 246, 255) }
```

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

```
.background{ background-color: rgb(0, 246,  
255) }
```

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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