

Converting Colors

$Y_{xy}(69.5182, 0.1743, 0.2679)$

Have a look what the booklet for
Yxy(69.5182, 0.1743, 0.2679)
contains.

Yxy(73.7415, 0.2219, 0.3190)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(73.7415, 0.2219, 0.3190)

Conversions

Conversions Part 1

Format	Color
Hex	00F7FF
RGB	0, 247, 255
RGB Percent	0%, 97%, 100%
CMY	1.0000, 0.0313, 0.0000
CMYK	1.00, 0.03, 0.00, 0.00
HSL	182°, 100%, 50%
HSV	182°, 100%, 100%
XYZ	51.2954, 73.7415, 106.1277
YIQ	174.0590, -149.7800, -49.8760

Conversions

Conversions Part 2

Format	Color
RYB	0, 125, 255
Decimal	63487
CIELab	88.80, -44.64, -17.61
CIELCh	89, 47.989, 201.526
Yxy	73.7415, 0.2219, 0.3190
Android (android.graphics.Color)	4278253567 (0xFF00F7FF)
YUV	174.0590, 39.9039, -152.6497
Hunter-Lab	85.8729, -43.6521, -13.1637

Details

The Yxy color **73.7415, 0.2219, 0.3190** 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 **21.4311, 0.6386, 0.3312**, and the grayscale version is **42.2139, 0.3127, 0.3290**.

A 20% lighter version of the original color is **82.7331, 0.2446, 0.3288**, and **40.9041, 0.2212, 0.3163** is the 20% darker color. If you saturate the color by 10%, you get **73.7533, 0.2220, 0.3190**, and if you desaturate by 10%, it is **74.4549, 0.2234, 0.3200**.

Distribution



- Red (0%)
- Green (97%)
- Blue (100%)



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



- Cyan (100%)
- Magenta (3%)
- Yellow (0%)
- Black (0%)





- Cyan (100%)
- Magenta (3%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 73.7415, 0.2219, 0.3190 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 73.7415, 0.2219, 0.3190 by changing the saturation by 10% instead.

 73.7415, 0.2219,
0.3190


 73.7415, 0.2219,
0.3190


473.5807, 0.2623,
0.3251


 54.5825, 0.2131,
0.3173


 124.5293, 0.2356,
0.3214

 39.0675, 0.2026,
0.3150


 156.9269, 0.2410,
0.3222

 26.8123, 0.1896,
0.3119


 194.5061, 0.2457,
0.3229

 17.4323, 0.1733,
0.3074

 237.6514, 0.2498,
0.3235

 10.5432, 0.1525,
0.3007

286.7471, 0.2535,
0.3240

 5.7606, 0.1253,
0.2900

342.1776, 0.2567,

 2.7000, 0.0894,

0.3244

0.2713

404.3273, 0.2597,
0.3248

■ 0.9772, 0.0000,
0.2461

■ 0.0000, 0.0000,
0.0000

■ 73.7415, 0.2219,
0.3190

■ 73.7415, 0.2219,
0.3190

■ 73.7533, 0.2220,
0.3190

■ 74.4549, 0.2234,
0.3200

■ 75.4362, 0.2263,
0.3211

■ 76.7821, 0.2310,
0.3221

■ 78.5445, 0.2377,
0.3232

■ 80.7670, 0.2464,
0.3242

■ 83.4875, 0.2569,
0.3253

■ 86.7403, 0.2690,
0.3263

■ 90.5563, 0.2826,
0.3273

■ 94.9642, 0.2973,
0.3282

Harmonies

Analogous

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



73.7415, 0.2573, 0.3778



73.7415, 0.2219, 0.3190



73.7415, 0.2096, 0.2708

Triad

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



73.7415, 0.2219, 0.3190



73.7415, 0.3073, 0.2544



73.7415, 0.4094, 0.4111

Complementary

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



73.7415, 0.2219, 0.3190



21.4311, 0.6386, 0.3312

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.



73.7415, 0.4277, 0.3714



73.7415, 0.2219, 0.3190



73.7415, 0.3660, 0.2854

Square

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



73.7415, 0.2219, 0.3190



73.7415, 0.2552, 0.2394



73.7415, 0.4119, 0.3266



73.7415, 0.3655, 0.4332

Rectangle

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



73.7415, 0.2219, 0.3190



73.7415, 0.2147, 0.2504



73.7415, 0.4119, 0.3266



73.7415, 0.4190, 0.3991

Sweetspot

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



73.7533, 0.2220, 0.3190



86.7482, 0.2690, 0.3263



71.5227, 0.2998, 0.5993



18.2598, 0.2637, 0.3259



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.



73.7533, 0.2220, 0.3190



73.7601, 0.2220, 0.3190



21.4461, 0.1747, 0.1489



20.3783, 0.2980, 0.3282



38.5847, 0.2220, 0.3192



3.7863, 0.2223, 0.3203

Inverse Universe

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



27.9747, 0.3290, 0.1586



27.9773, 0.3290, 0.1586



37.6914, 0.5386, 0.4105



18.2900, 0.3143, 0.3063



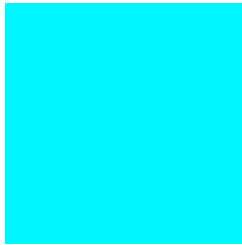
14.6231, 0.3289, 0.1585



1.4268, 0.3279, 0.1580

Previews

White Background



This preview shows how the Yxy color 73.7415, 0.2219, 0.3190 looks on a white background.

Color Contrast Check

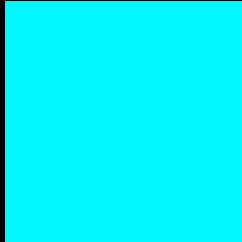
Large Text (above 18pt) WCAG AA × Fail

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 73.7415, 0.2219, 0.3190 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 73.7415, 0.2219, 0.3190

Background



This preview shows how black text looks on a background with the Yxy color 73.7415, 0.2219, 0.3190.



This preview shows how white text looks on a background with the Yxy color 73.7415, 0.2219, 0.3190.

Color Blindness Simulation

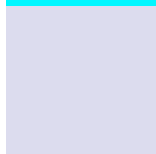
Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy



Original Color

73.7415, 0.2219, 0.3190



Protanopia

72.5751, 0.3011, 0.3098



Deuteranopia

72.3753, 0.2918, 0.2894



Tritanopia

73.6051, 0.2414, 0.3112

Trichromacy



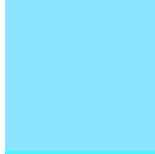
Original Color

73.7415, 0.2219, 0.3190



Protanomaly

68.7007, 0.2519, 0.3122



Deuteranomaly

68.3695, 0.2469, 0.2973



Tritanomaly

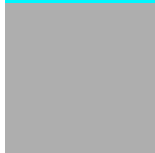
72.8990, 0.2292, 0.3143

Monochromacy



Original Color

73.7415, 0.2219, 0.3190



Achromatopsia

42.3268, 0.3127, 0.3290



Achromatomaly

49.4646, 0.2519, 0.3260

CSS Examples

Text

The CSS property to change the color of the text to Yxy 73.7415, 0.2219, 0.3190 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, 247, 255)` looks like.

```
.text, #text, p{  
    color:rgb(0, 247, 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, 247, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 247, 255) }
```

Border

The CSS property to change the border of an element to Yxy 73.7415, 0.2219, 0.3190 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, 247, 255) }
```

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

```
.border{ border-color:rgb(0, 247, 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, 247, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(0, 247, 255); -webkit-box-shadow:4px 4px 4px 4px rgb(0, 247, 255); box-shadow:4px 4px 4px 4px rgb(0, 247, 255) }
```


Background

The CSS property to change the background color of an element to Yxy 73.7415, 0.2219, 0.3190 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 247, 255) }
```

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

```
.background{ background-color: rgb(0, 247,  
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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor