

Converting Colors

$Y_{xy}(71.7994, 0.2218, 0.3146)$

Have a look what the booklet for
Yxy(71.7994, 0.2218, 0.3146)
contains.

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Color

Yxy(71.5154, 0.2216, 0.3140)

Conversions

Conversions Part 1

Format	Color
Hex	18F3FF
RGB	24, 243, 255
RGB Percent	9%, 95%, 100%
CMY	0.9078, 0.0470, 0.0000
CMYK	0.91, 0.05, 0.00, 0.00
HSL	183°, 100%, 55%
HSV	183°, 91%, 100%
XYZ	50.4707, 71.5154, 105.7699
YIQ	178.8870, -134.3760, -42.6960

Conversions

Conversions Part 2

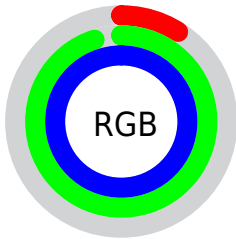
Format	Color
R _Y B	24, 136, 255
Decimal	1635327
CIE Lab	87.73, -42.24, -19.22
CIE LCh	88, 46.411, 204.468
Yxy	71.5154, 0.2216, 0.3140
Android (android.graphics.Color)	4279825407 (0xFF18F3FF)
YUV	178.8870, 37.5237, -135.8359
Hunter-Lab	84.5668, -41.4603, -14.9588

Details

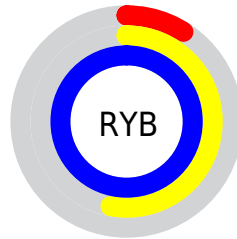
The Yxy color **71.5154, 0.2216, 0.3140** is a light color, and the websafe version is hex **33FFFF**. The color can be described as light washed cyan. A complement of this color would be **22.5552, 0.6220, 0.3339**, and the grayscale version is **44.7869, 0.3127, 0.3290**.

A 20% lighter version of the original color is **82.9510, 0.2457, 0.3288**, and **39.1950, 0.2194, 0.3099** is the 20% darker color. If you saturate the color by 10%, you get **70.6021, 0.2201, 0.3125**, and if you desaturate by 10%, it is **72.7747, 0.2246, 0.3158**.

Distribution



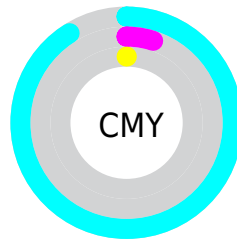
- Red (9%)
- Green (95%)
- Blue (100%)



- Red (9%)
- Yellow (53%)
- Blue (100%)



- Cyan (91%)
- Magenta (5%)
- Yellow (0%)
- Black (0%)





- Cyan (91%)
- Magenta (5%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 71.5154, 0.2216, 0.3140 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 71.5154, 0.2216, 0.3140 by changing the saturation by 10% instead.


 71.5154, 0.2216,
0.3140


 71.5154, 0.2216,
0.3140


465.8531, 0.2623,
0.3225


 52.7629, 0.2127,
0.3117

 121.3673, 0.2354,
0.3172


 37.6135, 0.2020,
0.3088


 153.2355, 0.2408,
0.3184

 25.6829, 0.1889,
0.3048


 190.2444, 0.2456,
0.3193

 16.5866, 0.1723,
0.2992

 232.7784, 0.2497,
0.3202

 9.9402, 0.1512,
0.2910

281.2219, 0.2534,
0.3209

 5.3593, 0.1235,
0.2781

335.9592, 0.2567,

 2.4596, 0.0870,

0.3215

397.3748, 0.2596,
0.3220

0.2562

0.8563, 0.0000,
0.2243

0.0000, 0.0000,
0.0000

71.5154, 0.2216,
0.3140

71.5154, 0.2216,
0.3140

70.6021, 0.2201,
0.3125

72.7747, 0.2246,
0.3158

74.3966, 0.2295,
0.3175

76.4350, 0.2363,
0.3193

78.9339, 0.2450,
0.3211

81.9317, 0.2556,
0.3228

85.4629, 0.2678,
0.3245

89.5587, 0.2814,
0.3260

94.2481, 0.2961,
0.3275

99.5577, 0.3115,
0.3289

Harmonies

Analogous

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



71.5154, 0.2543, 0.3711



71.5154, 0.2216, 0.3140



71.5154, 0.2118, 0.2686

Triad

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



71.5154, 0.2216, 0.3140



71.5154, 0.3131, 0.2583



71.5154, 0.4041, 0.4126

Complementary

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



71.5154, 0.2216, 0.3140



22.5552, 0.6220, 0.3339

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.



71.5154, 0.4248, 0.3749



71.5154, 0.2216, 0.3140



71.5154, 0.3701, 0.2899

Square

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



71.5154, 0.2216, 0.3140



71.5154, 0.2608, 0.2418



71.5154, 0.4126, 0.3311



71.5154, 0.3594, 0.4314

Rectangle

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



71.5154, 0.2216, 0.3140



71.5154, 0.2183, 0.2500



71.5154, 0.4126, 0.3311



71.5154, 0.4142, 0.4014

Sweetspot

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



71.5165, 0.2216, 0.3140



86.9441, 0.2728, 0.3251



71.8300, 0.2991, 0.5897



18.3227, 0.2683, 0.3245



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.



71.5165, 0.2216, 0.3140



70.6021, 0.2201, 0.3125



22.7626, 0.1781, 0.1554



20.3107, 0.2980, 0.3277



36.9613, 0.2202, 0.3127



3.6463, 0.2208, 0.3147

Inverse Universe

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



28.3648, 0.3331, 0.1636



27.6585, 0.3346, 0.1617



43.4016, 0.5126, 0.4243



18.2832, 0.3146, 0.3068



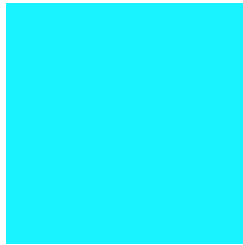
14.4592, 0.3344, 0.1616



1.4126, 0.3327, 0.1606

Previews

White Background



This preview shows how the Yxy color 71.5154, 0.2216, 0.3140 looks on a white background.

Color Contrast Check

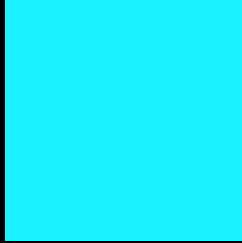
Large Text (above 18pt) WCAG AA × Fail

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 71.5154, 0.2216, 0.3140 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

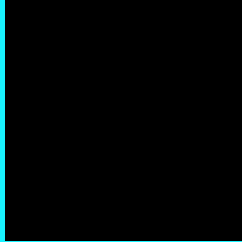
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 71.5154, 0.2216, 0.3140

Background



This preview shows how black text looks on a background with the Yxy color 71.5154, 0.2216, 0.3140.

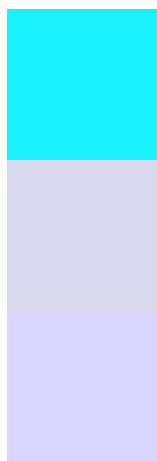


This preview shows how white text looks on a background with the Yxy color 71.5154, 0.2216, 0.3140.

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

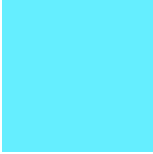
71.5154, 0.2216, 0.3140

Protanopia

69.8837, 0.2983, 0.3052

Deuteranopia

70.2186, 0.2891, 0.2859



Tritanopia

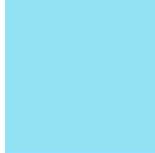
71.1358, 0.2341, 0.3085

Trichromacy



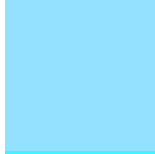
Original Color

71.5154, 0.2216, 0.3140



Protanomaly

67.0354, 0.2540, 0.3075



Deuteranomaly

67.2735, 0.2491, 0.2939



Tritanomaly

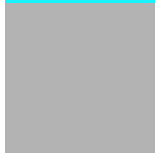
70.9566, 0.2274, 0.3106

Monochromacy



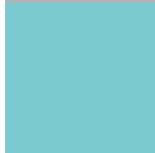
Original Color

71.5154, 0.2216, 0.3140



Achromatopsia

45.0786, 0.3127, 0.3290



Achromatomaly

50.8836, 0.2557, 0.3220

CSS Examples

Text

The CSS property to change the color of the text to Yxy 71.5154, 0.2216, 0.3140 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(24, 243, 255)` looks like.

```
.text, #text, p{  
    color:rgb(24, 243, 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(24, 243, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(24, 243, 255) }
```

Border

The CSS property to change the border of an element to Yxy 71.5154, 0.2216, 0.3140 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(24, 243, 255) }
```

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

```
.border{ border-color:rgb(24, 243, 255) }
```

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

Here you see how a box with a 4 pixel rgb(24, 243, 255) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(24, 243, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(24, 243, 255);  
box-shadow:4px 4px 4px 4px rgb(24, 243,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 71.5154, 0.2216, 0.3140 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(24, 243, 255) }
```

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

```
.background{ background-color: rgb(24, 243,  
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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