

Converting Colors

$Y_{xy}(72.7090, 0.2230, 0.3162)$

Have a look what the booklet for
Yxy(72.7090, 0.2230, 0.3162)
contains.

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Color

Yxy(72.8649, 0.2231, 0.3165)

Conversions

Conversions Part 1

Format	Color
Hex	22F5FF
RGB	34, 245, 255
RGB Percent	13%, 96%, 100%
CMY	0.8672, 0.0392, 0.0000
CMYK	0.87, 0.04, 0.00, 0.00
HSL	183°, 100%, 57%
HSV	183°, 87%, 100%
XYZ	51.3623, 72.8649, 105.9937
YIQ	183.0510, -128.9660, -41.6220

Conversions

Conversions Part 2

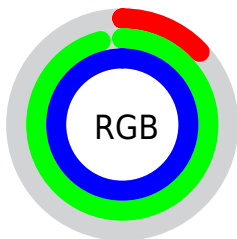
Format	Color
R _Y B	34, 142, 255
Decimal	2291199
CIE Lab	88.38, -42.67, -18.24
CIE LCh	88, 46.404, 203.151
Yxy	72.8649, 0.2231, 0.3165
Android (android.graphics.Color)	4280481279 (0xFF22F5FF)
YUV	183.0510, 35.4709, -130.7177
Hunter-Lab	85.3609, -41.9769, -13.8684

Details

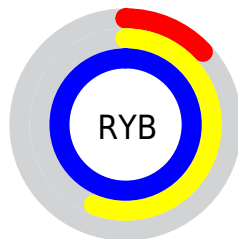
The Yxy color **72.8649, 0.2231, 0.3165** is a light color, and the websafe version is hex **33FFFF**. The color can be described as light washed cyan. A complement of this color would be **23.1650, 0.6119, 0.3342**, and the grayscale version is **47.2147, 0.3127, 0.3290**.

A 20% lighter version of the original color is **83.2520, 0.2471, 0.3288**, and **40.0437, 0.2203, 0.3131** is the 20% darker color. If you saturate the color by 10%, you get **71.8863, 0.2212, 0.3151**, and if you desaturate by 10%, it is **74.1680, 0.2268, 0.3181**.

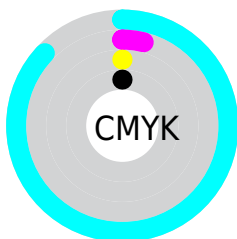
Distribution



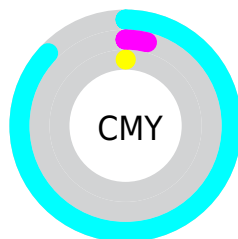
- Red (13%)
- Green (96%)
- Blue (100%)



- Red (13%)
- Yellow (56%)
- Blue (100%)



- Cyan (87%)
- Magenta (4%)
- Yellow (0%)
- Black (0%)




- Cyan (87%)
- Magenta (4%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 72.8649, 0.2231, 0.3165 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 72.8649, 0.2231, 0.3165 by changing the saturation by 10% instead.

 72.8649, 0.2231,
0.3165

 72.8649, 0.2231,
0.3165

470.5464, 0.2630,
0.3237


 53.8655, 0.2144,
0.3145


 123.2854, 0.2366,
0.3193

 38.4941, 0.2039,
0.3120


 155.4753, 0.2420,
0.3203

 26.3664, 0.1910,
0.3085


 192.8308, 0.2466,
0.3211

 17.0980, 0.1748,
0.3035

 235.7363, 0.2507,
0.3218

 10.3044, 0.1541,
0.2962

284.5763, 0.2543,
0.3224

 5.6012, 0.1269,
0.2846

339.7350, 0.2576,

 2.6042, 0.0908,

0.3229

0.2647

401.5969, 0.2604,
0.3233

■ 0.9288, 0.0000,
0.2375

■ 0.0000, 0.0000,
0.0000

■ 72.8649, 0.2231,
0.3165

■ 72.8649, 0.2231,
0.3165

■ 71.8863, 0.2212,
0.3151

■ 74.1680, 0.2268,
0.3181

■ 71.6055, 0.2207,
0.3146

■ 75.8558, 0.2323,
0.3196

■ 77.9774, 0.2398,
0.3212

■ 80.5744, 0.2493,
0.3227

83.6834, 0.2605,
0.3242

87.3373, 0.2732,
0.3256

91.5665, 0.2873,
0.3270

96.3990, 0.3023,
0.3282

100.0000, 0.3127,
0.3290

Harmonies

Analogous

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



72.8649, 0.2566, 0.3733



72.8649, 0.2231, 0.3165



72.8649, 0.2123, 0.2705

Triad

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



72.8649, 0.2231, 0.3165



72.8649, 0.3106, 0.2576



72.8649, 0.4050, 0.4108

Complementary

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



72.8649, 0.2231, 0.3165



23.1650, 0.6119, 0.3342

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.



72.8649, 0.4242, 0.3728



72.8649, 0.2231, 0.3165



72.8649, 0.3674, 0.2885

Square

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



72.8649, 0.2231, 0.3165



72.8649, 0.2591, 0.2420



72.8649, 0.4106, 0.3292



72.8649, 0.3614, 0.4305

Rectangle

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



72.8649, 0.2231, 0.3165



72.8649, 0.2181, 0.2514



72.8649, 0.4106, 0.3292



72.8649, 0.4147, 0.3994

Sweetspot

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



72.8653, 0.2231, 0.3165



87.6234, 0.2742, 0.3257



72.0193, 0.2995, 0.5859



18.4674, 0.2696, 0.3252



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.



72.8653, 0.2231, 0.3165



71.6055, 0.2207, 0.3146



25.4652, 0.1829, 0.1684



20.3323, 0.2980, 0.3279



37.4772, 0.2208, 0.3148



3.6908, 0.2213, 0.3165

Inverse Universe

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



28.9887, 0.3308, 0.1645



27.7598, 0.3328, 0.1607



43.7662, 0.5086, 0.4222



18.2854, 0.3145, 0.3066



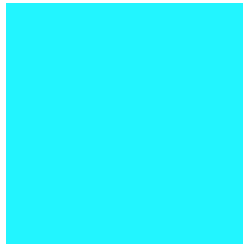
14.5113, 0.3326, 0.1606



1.4171, 0.3311, 0.1598

Previews

White Background



This preview shows how the Yxy color 72.8649, 0.2231, 0.3165 looks on a white background.

Color Contrast Check

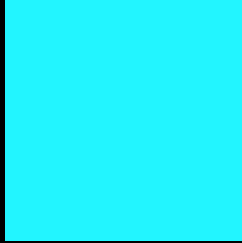
Large Text (above 18pt) WCAG AA × Fail

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 72.8649, 0.2231, 0.3165 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

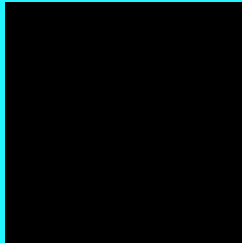
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 72.8649, 0.2231, 0.3165

Background



This preview shows how black text looks on a background with the Yxy color 72.8649, 0.2231, 0.3165.

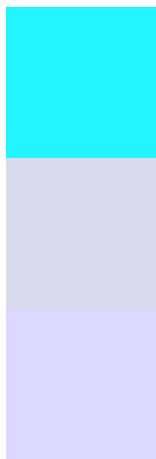


This preview shows how white text looks on a background with the Yxy color 72.8649, 0.2231, 0.3165.

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

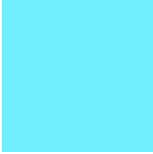
72.8649, 0.2231, 0.3165

Protanopia

71.2213, 0.2997, 0.3075

Deuteranopia

71.5474, 0.2905, 0.2882



Tritanopia

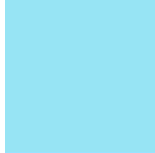
72.5304, 0.2386, 0.3099

Trichromacy



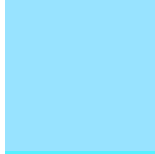
Original Color

72.8649, 0.2231, 0.3165



Protanomaly

68.5978, 0.2569, 0.3100



Deuteranomaly

68.8336, 0.2519, 0.2966



Tritanomaly

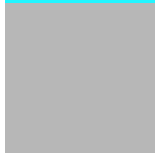
72.0619, 0.2305, 0.3119

Monochromacy



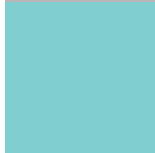
Original Color

72.8649, 0.2231, 0.3165



Achromatopsia

47.3531, 0.3127, 0.3290



Achromatomaly

53.4132, 0.2593, 0.3248

CSS Examples

Text

The CSS property to change the color of the text to Yxy 72.8649, 0.2231, 0.3165 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(34, 245, 255)` looks like.

```
.text, #text, p{  
    color:rgb(34, 245, 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(34, 245, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(34, 245, 255) }
```

Border

The CSS property to change the border of an element to Yxy 72.8649, 0.2231, 0.3165 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(34, 245, 255) }
```

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

```
.border{ border-color:rgb(34, 245, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(34, 245, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(34, 245, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(34, 245, 255);  
box-shadow:4px 4px 4px 4px rgb(34, 245,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 72.8649, 0.2231, 0.3165 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(34, 245, 255) }
```

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

```
.background{ background-color: rgb(34, 245,  
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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