

Converting Colors

$Y_{xy}(69.3320, 0.2213, 0.3166)$

Have a look what the booklet for
Yxy(69.3320, 0.2213, 0.3166)
contains.

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Color

Yxy(69.2223, 0.2212, 0.3162)

Conversions

Conversions Part 1

Format	Color
Hex	01F0FA
RGB	1, 240, 250
RGB Percent	0%, 94%, 98%
CMY	0.9970, 0.0589, 0.0195
CMYK	1.00, 0.04, 0.00, 0.02
HSL	182°, 99%, 49%
HSV	182°, 100%, 98%
XYZ	48.4250, 69.2223, 101.2721
YIQ	169.6790, -145.6540, -47.5580

Conversions

Conversions Part 2

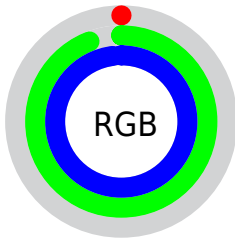
Format	Color
RYB	1, 123, 250
Decimal	127226
CIELab	86.61, -42.96, -18.31
CIELCh	87, 46.696, 203.081
Yxy	69.2223, 0.2212, 0.3162
Android (android.graphics.Color)	4278317306 (0xFF01F0FA)
YUV	169.6790, 39.5983, -147.9315
Hunter-Lab	83.1999, -41.7073, -13.9286

Details

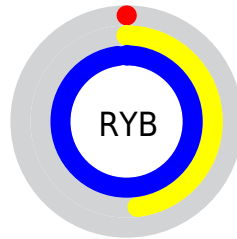
The Yxy color **69.2223, 0.2212, 0.3162** is a light color, and the websafe version is hex **33FFFF**. The color can be described as light saturated cyan. A complement of this color would be **20.5653, 0.6377, 0.3316**, and the grayscale version is **39.8462, 0.3127, 0.3290**.

A 20% lighter version of the original color is **82.6619, 0.2443, 0.3288**, and **37.7620, 0.2198, 0.3112** is the 20% darker color. If you saturate the color by 10%, you get **69.2018, 0.2212, 0.3162**, and if you desaturate by 10%, it is **70.0307, 0.2228, 0.3175**.

Distribution



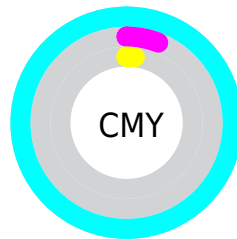
- Red (0%)
- Green (94%)
- Blue (98%)



- Red (0%)
- Yellow (48%)
- Blue (98%)



- Cyan (100%)
- Magenta (4%)
- Yellow (0%)
- Black (2%)





- Cyan (100%)
- Magenta (6%)
- Yellow (2%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 69.2223, 0.2212, 0.3162 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 69.2223, 0.2212, 0.3162 by changing the saturation by 10% instead.


 69.2223, 0.2212,
0.3162


 69.2223, 0.2212,
0.3162


457.8146, 0.2623,
0.3237


 50.8928, 0.2122,
0.3141

 118.0990, 0.2352,
0.3191

 36.1233, 0.2013,
0.3114


 149.4150, 0.2407,
0.3201

 24.5294, 0.1878,
0.3077


 185.8286, 0.2455,
0.3210

 15.7268, 0.1709,
0.3024

 227.7242, 0.2497,
0.3217

 9.3310, 0.1490,
0.2944

275.4862, 0.2534,
0.3223

 4.9577, 0.1204,
0.2817

329.4990, 0.2567,

 2.2225, 0.0817,

0.3228

0.2597

390.1470, 0.2597,
0.3233

■ 0.7322, 0.0000,
0.2224

■ 0.0000, 0.0000,
0.0000

■ 69.2223, 0.2212,
0.3162

■ 69.2223, 0.2212,
0.3162

■ 69.2018, 0.2212,
0.3162

■ 70.0307, 0.2228,
0.3175

■ 71.1094, 0.2258,
0.3189

■ 72.5395, 0.2308,
0.3202

■ 74.3701, 0.2377,
0.3216

■ 76.6425, 0.2465,
0.3230

■ 79.3927, 0.2571,
0.3243

■ 82.6533, 0.2694,
0.3256

■ 86.4536, 0.2830,
0.3268

■ 90.8209, 0.2977,
0.3280

Harmonies

Analogous

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



69.2223, 0.2554, 0.3745



69.2223, 0.2212, 0.3162



69.2223, 0.2102, 0.2692

Triad

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



69.2223, 0.2212, 0.3162



69.2223, 0.3104, 0.2561



69.2223, 0.4071, 0.4124

Complementary

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



69.2223, 0.2212, 0.3162



20.5653, 0.6377, 0.3316

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.



69.2223, 0.4268, 0.3734



69.2223, 0.2212, 0.3162



69.2223, 0.3686, 0.2875

Square

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



69.2223, 0.2212, 0.3162



69.2223, 0.2578, 0.2402



69.2223, 0.4129, 0.3290



69.2223, 0.3625, 0.4329

Rectangle

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



69.2223, 0.2212, 0.3162



69.2223, 0.2161, 0.2497



69.2223, 0.4129, 0.3290



69.2223, 0.4171, 0.4007

Sweetspot

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



69.2248, 0.2212, 0.3162



86.3152, 0.2690, 0.3256



68.4126, 0.2996, 0.5984



18.1543, 0.2636, 0.3250



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.



69.2248, 0.2212, 0.3162



72.3649, 0.2212, 0.3161



19.6513, 0.1734, 0.1442



19.4817, 0.2980, 0.3280



36.7513, 0.2212, 0.3164



3.4400, 0.2217, 0.3180

Inverse Universe

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



26.6363, 0.3314, 0.1600



27.8364, 0.3315, 0.1600



37.2989, 0.5330, 0.4148



17.5118, 0.3144, 0.3066



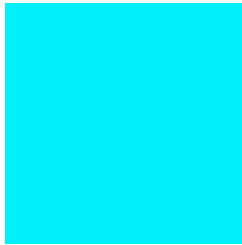
14.1210, 0.3313, 0.1598



1.3115, 0.3299, 0.1591

Previews

White Background



This preview shows how the Yxy color 69.2223, 0.2212, 0.3162 looks on a white background.

Color Contrast Check

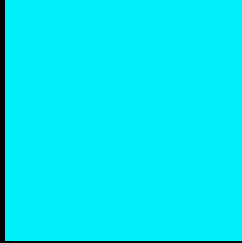
Large Text (above 18pt) WCAG AA × Fail

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 69.2223, 0.2212, 0.3162 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

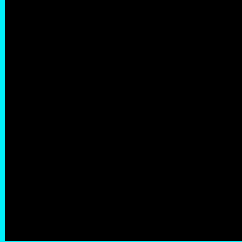
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 69.2223, 0.2212, 0.3162

Background



This preview shows how black text looks on a background with the Yxy color 69.2223, 0.2212, 0.3162.

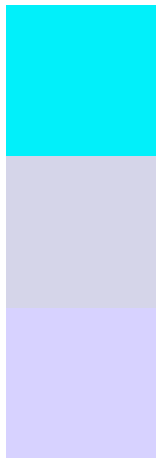


This preview shows how white text looks on a background with the Yxy color 69.2223, 0.2212, 0.3162.

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

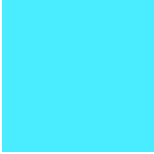
69.2288, 0.2212, 0.3162

Protanopia

67.6178, 0.2994, 0.3070

Deuteranopia

67.7603, 0.2869, 0.2813



Tritanopia

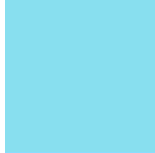
69.2048, 0.2265, 0.3068

Trichromacy



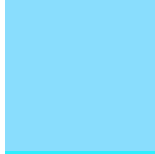
Original Color

69.2288, 0.2212, 0.3162



Protanomaly

64.2416, 0.2510, 0.3093



Deuteranomaly

64.1231, 0.2445, 0.2908



Tritanomaly

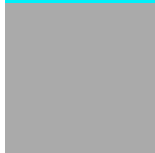
68.8453, 0.2229, 0.3102

Monochromacy



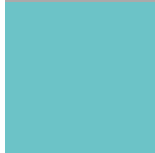
Original Color

69.2288, 0.2212, 0.3162



Achromatopsia

40.1978, 0.3127, 0.3290



Achromatomaly

46.3419, 0.2511, 0.3231

CSS Examples

Text

The CSS property to change the color of the text to Yxy 69.2223, 0.2212, 0.3162 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(1, 240, 250)` looks like.

```
.text, #text, p{  
    color:rgb(1, 240, 250)  
}
```

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(1, 240, 250) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(1, 240, 250) }
```

Border

The CSS property to change the border of an element to Yxy 69.2223, 0.2212, 0.3162 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(1, 240, 250) }
```

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

```
.border{ border-color:rgb(1, 240, 250) }
```

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

Here you see how a box with a 4 pixel rgb(1, 240, 250) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(1, 240, 250); -webkit-box-  
shadow:4px 4px 4px 4px rgb(1, 240, 250);  
box-shadow:4px 4px 4px 4px rgb(1, 240,  
250) }
```


Background

The CSS property to change the background color of an element to Yxy 69.2223, 0.2212, 0.3162 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(1, 240, 250) }
```

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

```
.background{ background-color: rgb(1, 240,  
250) }
```

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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