

Converting Colors

$Y_{xy}(70.1042, 0.2224, 0.3150)$

Have a look what the booklet for
Yxy(70.1042, 0.2224, 0.3150)
contains.

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Color

Yxy(70.2149, 0.2224, 0.3151)

Conversions

Conversions Part 1

Format	Color
Hex	1EF1FC
RGB	30, 241, 252
RGB Percent	12%, 95%, 99%
CMY	0.8835, 0.0549, 0.0116
CMYK	0.88, 0.04, 0.00, 0.01
HSL	183°, 97%, 55%
HSV	183°, 88%, 99%
XYZ	49.5582, 70.2149, 103.0606
YIQ	179.1650, -129.2870, -41.3110

Conversions

Conversions Part 2

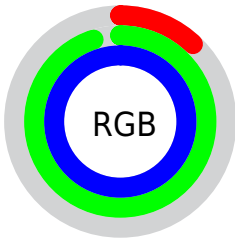
Format	Color
R _Y B	30, 138, 252
Decimal	2028028
CIE Lab	87.10, -41.97, -18.61
CIE LCh	87, 45.911, 203.909
Yxy	70.2149, 0.2224, 0.3151
Android (android.graphics.Color)	4280218108 (0xFF1EF1FC)
YUV	179.1650, 35.9077, -130.8177
Hunter-Lab	83.7943, -41.0704, -14.2661

Details

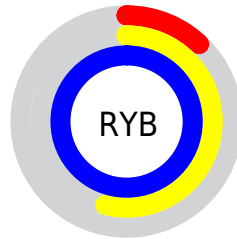
The Yxy color **70.2149, 0.2224, 0.3151** is a light color, and the websafe version is hex **33FFFF**. The color can be described as light washed cyan. A complement of this color would be **22.3610, 0.6155, 0.3343**, and the grayscale version is **44.9844, 0.3127, 0.3290**.

A 20% lighter version of the original color is **83.0251, 0.2460, 0.3288**, and **38.2211, 0.2198, 0.3113** is the 20% darker color. If you saturate the color by 10%, you get **69.2376, 0.2206, 0.3135**, and if you desaturate by 10%, it is **71.4980, 0.2258, 0.3168**.

Distribution



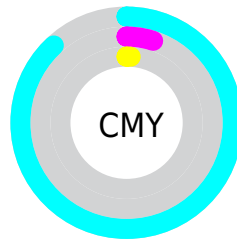
- Red (12%)
- Green (95%)
- Blue (99%)



- Red (12%)
- Yellow (54%)
- Blue (99%)



- Cyan (88%)
- Magenta (4%)
- Yellow (0%)
- Black (1%)





- Cyan (88%)
- Magenta (5%)
- Yellow (1%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 70.2149, 0.2224, 0.3151 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 70.2149, 0.2224, 0.3151 by changing the saturation by 10% instead.

 70.2149, 0.2224,
0.3151


 70.2149, 0.2224,
0.3151

461.3042, 0.2629,
0.3230

 51.7018, 0.2135,
0.3129

 119.5152, 0.2361,
0.3181


 36.7674, 0.2028,
0.3101


 151.0711, 0.2416,
0.3192

 25.0274, 0.1896,
0.3063


 187.7434, 0.2463,
0.3201

 16.0975, 0.1730,
0.3009

 229.9164, 0.2504,
0.3209

 9.5932, 0.1516,
0.2929

277.9746, 0.2541,
0.3216

 5.1301, 0.1235,
0.2802

332.3024, 0.2574,

 2.3238, 0.0861,

0.3221

0.2582

393.2841, 0.2603,
0.3226

■ 0.7863, 0.0000,
0.2245

■ 0.0000, 0.0000,
0.0000

■ 70.2149, 0.2224,
0.3151

■ 70.2149, 0.2224,
0.3151

■ 69.2376, 0.2206,
0.3135

■ 71.4980, 0.2258,
0.3168


■ 69.0771, 0.2203,
0.3132

■ 73.1462, 0.2312,
0.3185

■ 75.2109, 0.2385,
0.3202


■ 77.7332, 0.2477,
0.3218

 80.7493, 0.2587,
0.3235

 84.2917, 0.2712,
0.3251

 88.3903, 0.2851,
0.3265

 93.0726, 0.3000,
0.3279

 98.0709, 0.3146,
0.3292

Harmonies

Analogous

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



70.2149, 0.2554, 0.3720



70.2149, 0.2224, 0.3151



70.2149, 0.2122, 0.2695

Triad

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



70.2149, 0.2224, 0.3151



70.2149, 0.3121, 0.2581



70.2149, 0.4043, 0.4117

Complementary

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



70.2149, 0.2224, 0.3151



22.3610, 0.6155, 0.3343

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.



70.2149, 0.4243, 0.3739



70.2149, 0.2224, 0.3151



70.2149, 0.3689, 0.2894

Square

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



70.2149, 0.2224, 0.3151



70.2149, 0.2602, 0.2420



70.2149, 0.4116, 0.3303



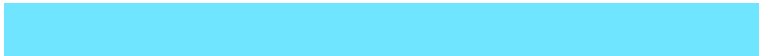
70.2149, 0.3601, 0.4308

Rectangle

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



70.2149, 0.2224, 0.3151



70.2149, 0.2184, 0.2507



70.2149, 0.4116, 0.3303



70.2149, 0.4142, 0.4004

Sweetspot

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



70.2175, 0.2224, 0.3151



87.4411, 0.2742, 0.3254



70.0462, 0.2995, 0.5880



18.4233, 0.2696, 0.3249



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.



70.2175, 0.2224, 0.3151



70.9371, 0.2203, 0.3132



24.2034, 0.1817, 0.1656



19.4523, 0.2980, 0.3278



36.0395, 0.2204, 0.3135



3.3819, 0.2210, 0.3154

Inverse Universe

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



27.9666, 0.3321, 0.1644



27.6923, 0.3340, 0.1614



42.0618, 0.5116, 0.4218



17.5088, 0.3146, 0.3068



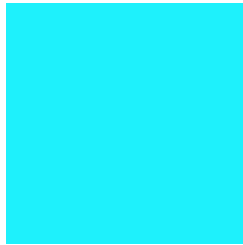
14.0491, 0.3337, 0.1612



1.3056, 0.3321, 0.1603

Previews

White Background



This preview shows how the Yxy color 70.2149, 0.2224, 0.3151 looks on a white background.

Color Contrast Check

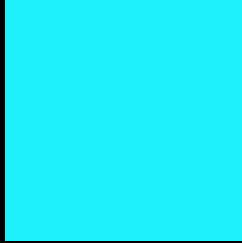
Large Text (above 18pt) WCAG AA × Fail

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 70.2149, 0.2224, 0.3151 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 70.2149, 0.2224, 0.3151

Background



This preview shows how black text looks on a background with the Yxy color 70.2149, 0.2224, 0.3151.

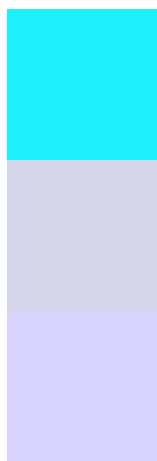


This preview shows how white text looks on a background with the Yxy color 70.2149, 0.2224, 0.3151.

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

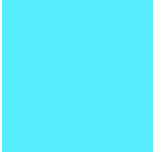
70.2149, 0.2224, 0.3151

Protanopia

68.8952, 0.2988, 0.3072

Deuteranopia

68.9059, 0.2877, 0.2835



Tritanopia

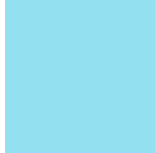
69.8146, 0.2298, 0.3070

Trichromacy



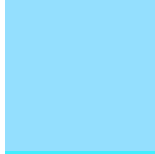
Original Color

70.2149, 0.2224, 0.3151



Protanomaly

65.8652, 0.2556, 0.3085



Deuteranomaly

66.2270, 0.2496, 0.2927



Tritanomaly

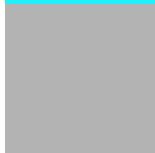
69.4631, 0.2257, 0.3092

Monochromacy



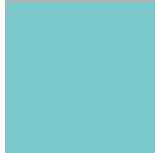
Original Color

70.2149, 0.2224, 0.3151



Achromatopsia

45.0786, 0.3127, 0.3290



Achromatomaly

51.0573, 0.2579, 0.3234

CSS Examples

Text

The CSS property to change the color of the text to Yxy 70.2149, 0.2224, 0.3151 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(30, 241, 252)` looks like.

```
.text, #text, p{  
  color:rgb(30, 241, 252)  
}
```

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(30, 241, 252) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(30, 241, 252) }
```

Border

The CSS property to change the border of an element to Yxy 70.2149, 0.2224, 0.3151 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(30, 241, 252) }
```

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

```
.border{ border-color:rgb(30, 241, 252) }
```

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

Here you see how a box with a 4 pixel `rgb(30, 241, 252)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(30, 241, 252); -webkit-box-  
shadow:4px 4px 4px 4px rgb(30, 241, 252);  
box-shadow:4px 4px 4px 4px rgb(30, 241,  
252) }
```


Background

The CSS property to change the background color of an element to Yxy 70.2149, 0.2224, 0.3151 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(30, 241, 252) }
```

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

```
.background{ background-color: rgb(30, 241,  
252) }
```

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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