

Converting Colors

$Y_{xy}(75.5818, 0.2240, 0.3222)$

Have a look what the booklet for
Yxy(75.5818, 0.2240, 0.3222)
contains.

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Color

Yxy(75.8108, 0.2242, 0.3227)

Conversions

Conversions Part 1

Format	Color
Hex	1BFAFF
RGB	27, 250, 255
RGB Percent	11%, 98%, 100%
CMY	0.8955, 0.0196, 0.0001
CMYK	0.90, 0.02, 0.00, 0.00
HSL	181°, 100%, 55%
HSV	181°, 90%, 100%
XYZ	52.6705, 75.8108, 106.4452
YIQ	183.8930, -134.5130, -45.7210

Conversions

Conversions Part 2

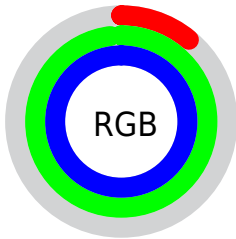
Format	Color
R _Y B	27, 140, 255
Decimal	1833727
CIE Lab	89.77, -45.22, -16.13
CIE LCh	90, 48.013, 199.632
Yxy	75.8108, 0.2242, 0.3227
Android (android.graphics.Color)	4280023807 (0xFF1BFAFF)
YUV	183.8930, 35.0558, -137.5952
Hunter-Lab	87.0694, -44.3922, -11.5354

Details

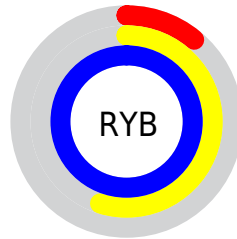
The Yxy color **75.8108, 0.2242, 0.3227** is a light color, and the websafe version is hex **33FFFF**. The color can be described as light washed cyan. A complement of this color would be **22.3474, 0.6222, 0.3316**, and the grayscale version is **47.6655, 0.3127, 0.3290**.

A 20% lighter version of the original color is **83.1000, 0.2464, 0.3288**, and **42.2171, 0.2225, 0.3210** is the 20% darker color. If you saturate the color by 10%, you get **75.2472, 0.2228, 0.3220**, and if you desaturate by 10%, it is **76.6660, 0.2271, 0.3234**.

Distribution



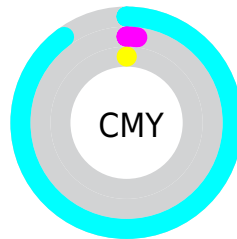
- Red (11%)
- Green (98%)
- Blue (100%)



- Red (11%)
- Yellow (55%)
- Blue (100%)



- Cyan (90%)
- Magenta (2%)
- Yellow (0%)
- Black (0%)




- Cyan (90%)
- Magenta (2%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 75.8108, 0.2242, 0.3227 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 75.8108, 0.2242, 0.3227 by changing the saturation by 10% instead.

 75.8108, 0.2242,
0.3227

 75.8108, 0.2242,
0.3227


480.6998, 0.2635,
0.3270

 56.2774, 0.2157,
0.3214


 127.4594, 0.2375,
0.3244


 40.4254, 0.2054,
0.3197


 160.3434, 0.2427,
0.3250

 27.8703, 0.1928,
0.3173


 198.4464, 0.2473,
0.3255

 18.2279, 0.1771,
0.3138

 242.1527, 0.2513,
0.3259

 11.1138, 0.1569,
0.3084

291.8469, 0.2549,
0.3263

 6.1434, 0.1304,
0.2996

347.9131, 0.2580,

 2.9325, 0.0953,

0.3265

0.2840

410.7360, 0.2609,
0.3268

■ 1.0966, 0.0000,
0.2661

■ 0.0000, 0.0000,
0.0000

■ 75.8108, 0.2242,
0.3227

■ 75.8108, 0.2242,
0.3227

■ 75.2472, 0.2228,
0.3220

■ 76.6660, 0.2271,
0.3234

■ 75.2240, 0.2228,
0.3220

■ 77.8845, 0.2318,
0.3242

■ 79.5205, 0.2385,
0.3249

■ 81.6173, 0.2471,
0.3257

84.2127, 0.2576,
0.3264

87.3407, 0.2697,
0.3271

91.0321, 0.2833,
0.3278

95.3156, 0.2979,
0.3284

99.9986, 0.3127,
0.3290

Harmonies

Analogous

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



75.8108, 0.2607, 0.3808



75.8108, 0.2242, 0.3227



75.8108, 0.2105, 0.2737

Triad

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



75.8108, 0.2242, 0.3227



75.8108, 0.3038, 0.2535



75.8108, 0.4107, 0.4084

Complementary

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



75.8108, 0.2242, 0.3227



22.3474, 0.6222, 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.



75.8108, 0.4268, 0.3684



75.8108, 0.2242, 0.3227



75.8108, 0.3620, 0.2834

Square

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



75.8108, 0.2242, 0.3227



75.8108, 0.2529, 0.2397



75.8108, 0.4089, 0.3239



75.8108, 0.3683, 0.4317

Rectangle

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



75.8108, 0.2242, 0.3227



75.8108, 0.2146, 0.2525



75.8108, 0.4089, 0.3239



75.8108, 0.4195, 0.3962

Sweetspot

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



75.8136, 0.2242, 0.3227



88.2423, 0.2730, 0.3273



71.8309, 0.3000, 0.5913



18.6351, 0.2686, 0.3270



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.



75.8136, 0.2242, 0.3227



75.2383, 0.2228, 0.3220



25.3419, 0.1819, 0.1680



20.4093, 0.2980, 0.3284



39.3444, 0.2228, 0.3221



3.8516, 0.2230, 0.3229

Inverse Universe

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



28.9259, 0.3258, 0.1601



28.1265, 0.3265, 0.1573



41.4694, 0.5187, 0.4177



18.2931, 0.3141, 0.3061



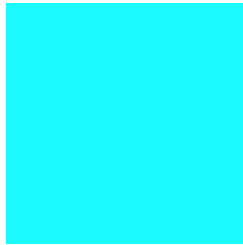
14.6998, 0.3265, 0.1572



1.4334, 0.3258, 0.1568

Previews

White Background



This preview shows how the Yxy color 75.8108, 0.2242, 0.3227 looks on a white background.

Color Contrast Check

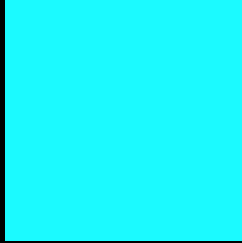
Large Text (above 18pt) WCAG AA × Fail

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 75.8108, 0.2242, 0.3227 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

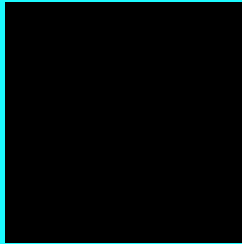
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

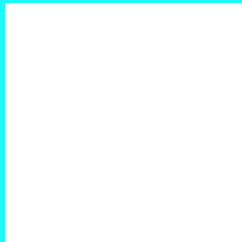
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 75.8108, 0.2242, 0.3227

Background



This preview shows how black text looks on a background with the Yxy color 75.8108, 0.2242, 0.3227.

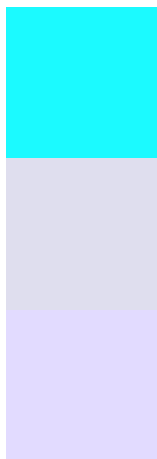


This preview shows how white text looks on a background with the Yxy color 75.8108, 0.2242, 0.3227.

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

75.8242, 0.2242, 0.3227

Protanopia

74.1036, 0.3031, 0.3120

Deuteranopia

74.0518, 0.2946, 0.2918



Tritanopia

75.4490, 0.2479, 0.3127

Trichromacy



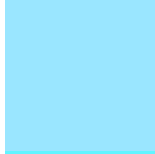
Original Color

75.8242, 0.2242, 0.3227



Protanomaly

70.9203, 0.2581, 0.3148



Deuteranomaly

70.6837, 0.2534, 0.3002



Tritanomaly

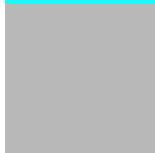
74.4628, 0.2346, 0.3157

Monochromacy



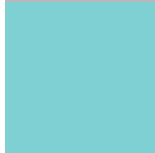
Original Color

75.8242, 0.2242, 0.3227



Achromatopsia

47.9320, 0.3127, 0.3290



Achromatomaly

54.2769, 0.2581, 0.3262

CSS Examples

Text

The CSS property to change the color of the text to Yxy 75.8108, 0.2242, 0.3227 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(27, 250, 255)` looks like.

```
.text, #text, p{  
    color:rgb(27, 250, 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(27, 250, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(27, 250, 255) }
```

Border

The CSS property to change the border of an element to Yxy 75.8108, 0.2242, 0.3227 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(27, 250, 255) }
```

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

```
.border{ border-color:rgb(27, 250, 255) }
```

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

Here you see how a box with a 4 pixel rgb(27, 250, 255) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(27, 250, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(27, 250, 255);  
box-shadow:4px 4px 4px 4px rgb(27, 250,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 75.8108, 0.2242, 0.3227 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(27, 250, 255) }
```

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

```
.background{ background-color: rgb(27, 250,  
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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