

Converting Colors

$Y_{xy}(78.9112, 0.2261, 0.3296)$

Have a look what the booklet for
Yxy(78.9112, 0.2261, 0.3296)
contains.

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Color

Yxy(78.9088, 0.2262, 0.3299)

Conversions

Conversions Part 1

Format	Color
Hex	1BFFFE
RGB	27, 255, 254
RGB Percent	11%, 100%, 100%
CMY	0.8943, 0.0000, 0.0038
CMYK	0.89, 0.00, 0.00, 0.00
HSL	180°, 100%, 55%
HSV	180°, 89%, 100%
XYZ	54.1048, 78.9088, 106.1765
YIQ	186.7140, -135.5670, -48.6470

Conversions

Conversions Part 2

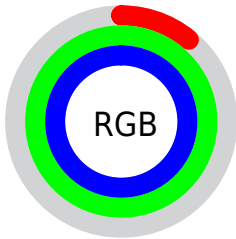
Format	Color
R _Y B	27, 141, 255
Decimal	1835006
CIE Lab	91.19, -47.66, -13.51
CIE LCh	91, 49.534, 195.831
Yxy	78.9088, 0.2262, 0.3299
Android (android.graphics.Color)	4280025086 (0xFF1BFFFE)
YUV	186.7140, 33.1720, -140.0692
Hunter-Lab	88.8306, -46.7331, -8.6860

Details

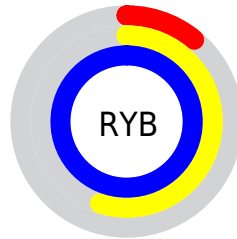
The Yxy color **78.9088, 0.2262, 0.3299** is a light color, and the websafe version is hex **00FFFF**. The color can be described as light washed cyan. A complement of this color would be **22.1258, 0.6233, 0.3296**, and the grayscale version is **49.3877, 0.3127, 0.3290**.

A 20% lighter version of the original color is **83.1756, 0.2467, 0.3288**, and **43.9637, 0.2247, 0.3287** is the 20% darker color. If you saturate the color by 10%, you get **78.6808, 0.2251, 0.3300**, and if you desaturate by 10%, it is **79.4276, 0.2288, 0.3298**.

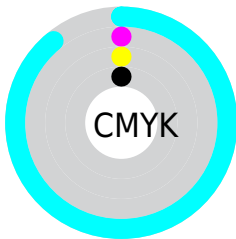
Distribution



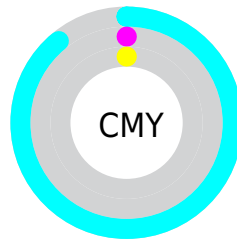
- Red (11%)
- Green (100%)
- Blue (100%)



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



- Cyan (89%)
- Magenta (0%)
- Yellow (0%)
- Black (0%)





- Cyan (89%)
- Magenta (0%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 78.9088, 0.2262, 0.3299 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 78.9088, 0.2262, 0.3299 by changing the saturation by 10% instead.


 78.9088, 0.2262,
0.3299

 78.9088, 0.2262,
0.3299


491.2478, 0.2644,
0.3308


 58.8208, 0.2179,
0.3294

 131.8305, 0.2391,
0.3304

 42.4689, 0.2080,
0.3287


 165.4329, 0.2442,
0.3306

 29.4686, 0.1958,
0.3275


 204.3090, 0.2487,
0.3307

 19.4356, 0.1805,
0.3257

 248.8432, 0.2526,
0.3307

 11.9855, 0.1610,
0.3226

299.4197, 0.2560,
0.3308

 6.7338, 0.1353,
0.3171


356.4231, 0.2591,


 3.2962, 0.1011,


0.3308


420.2376, 0.2619,
0.3308


0.3065


 1.2882, 0.0034,
0.2995


 0.1321, 0.0000,
0.1077


 78.9088, 0.2262,
0.3299


 78.9088, 0.2262,
0.3299


 78.6808, 0.2251,
0.3300

 79.4276, 0.2288,
0.3298

 78.6710, 0.2250,
0.3300

 80.3103, 0.2333,
0.3296


 81.6101, 0.2397,
0.3295

 83.3703, 0.2480,
0.3294

 85.6285, 0.2583,
0.3293

 88.4188, 0.2702,
0.3292

 91.7720, 0.2836,
0.3291

 95.7166, 0.2982,
0.3291

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.



78.9088, 0.2659, 0.3888



78.9088, 0.2262, 0.3299



78.9088, 0.2093, 0.2779

Triad

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



78.9088, 0.2262, 0.3299



78.9088, 0.2962, 0.2496



78.9088, 0.4161, 0.4051

Complementary

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



78.9088, 0.2262, 0.3299



22.1258, 0.6233, 0.3296

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.



78.9088, 0.4284, 0.3632



78.9088, 0.2262, 0.3299



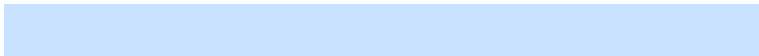
78.9088, 0.3556, 0.2781

Square

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



78.9088, 0.2262, 0.3299



78.9088, 0.2466, 0.2379



78.9088, 0.4060, 0.3182



78.9088, 0.3757, 0.4320

Rectangle

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



78.9088, 0.2262, 0.3299



78.9088, 0.2114, 0.2545



78.9088, 0.4060, 0.3182



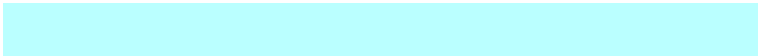
78.9088, 0.4239, 0.3921

Sweetspot

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



78.9108, 0.2262, 0.3299



89.1792, 0.2733, 0.3292



71.8867, 0.3008, 0.5922



18.8609, 0.2690, 0.3292



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.



78.9108, 0.2262, 0.3299



78.6710, 0.2250, 0.3300



27.6372, 0.1849, 0.1787



20.4801, 0.2981, 0.3291



41.1079, 0.2250, 0.3300



4.0029, 0.2250, 0.3299

Inverse Universe

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



22.1258, 0.6233, 0.3296



21.2624, 0.6398, 0.3298



39.2821, 0.5270, 0.4107



17.9883, 0.3294, 0.3289



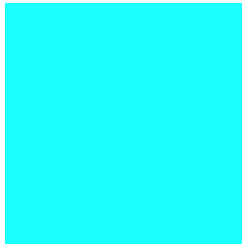
11.1106, 0.6396, 0.3297



1.0822, 0.6386, 0.3292

Previews

White Background



This preview shows how the Yxy color 78.9088, 0.2262, 0.3299 looks on a white background.

Color Contrast Check

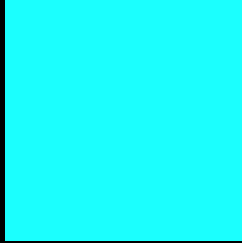
Large Text (above 18pt) WCAG AA × Fail

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 78.9088, 0.2262, 0.3299 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

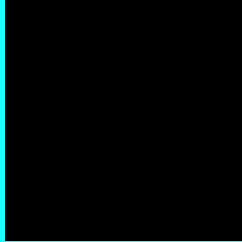
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 78.9088, 0.2262, 0.3299

Background



This preview shows how black text looks on a background with the Yxy color 78.9088, 0.2262, 0.3299.

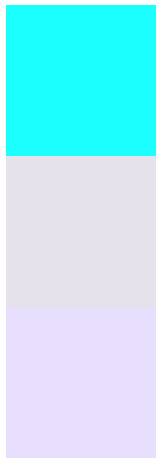


This preview shows how white text looks on a background with the Yxy color 78.9088, 0.2262, 0.3299.

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

78.9088, 0.2262, 0.3299

Protanopia

77.1069, 0.3084, 0.3185

Deuteranopia

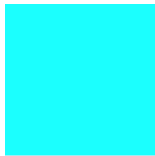
77.1512, 0.2986, 0.2964



Tritanopia

77.8924, 0.2570, 0.3142

Trichromacy



Original Color

78.9088, 0.2262, 0.3299



Protanomaly

74.1074, 0.2614, 0.3219



Deuteranomaly

73.8048, 0.2558, 0.3062



Tritanomaly

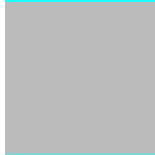
77.0565, 0.2394, 0.3194

Monochromacy



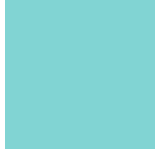
Original Color

78.9088, 0.2262, 0.3299



Achromatopsia

49.6933, 0.3127, 0.3290



Achromatomaly

56.4572, 0.2594, 0.3302

CSS Examples

Text

The CSS property to change the color of the text to Yxy 78.9088, 0.2262, 0.3299 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, 255, 254)` looks like.

```
.text, #text, p{  
    color:rgb(27, 255, 254)  
}
```

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, 255, 254) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(27, 255, 254) }
```

Border

The CSS property to change the border of an element to Yxy 78.9088, 0.2262, 0.3299 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, 255, 254) }
```

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

```
.border{ border-color:rgb(27, 255, 254) }
```

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

Here you see how a box with a 4 pixel `rgb(27, 255, 254)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(27, 255, 254); -webkit-box-  
shadow:4px 4px 4px 4px rgb(27, 255, 254);  
box-shadow:4px 4px 4px 4px rgb(27, 255,  
254) }
```


Background

The CSS property to change the background color of an element to Yxy 78.9088, 0.2262, 0.3299 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(27, 255, 254) }
```

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

```
.background{ background-color: rgb(27, 255,  
254) }
```

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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