

Converting Colors

$Y_{xy}(78.2205, 0.2277, 0.3313)$

Have a look what the booklet for
Yxy(78.2205, 0.2277, 0.3313)
contains.

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Color

Yxy(78.3432, 0.2276, 0.3312)

Conversions

Conversions Part 1

Format	Color
Hex	27FEFC
RGB	39, 254, 252
RGB Percent	15%, 100%, 99%
CMY	0.8483, 0.0039, 0.0118
CMYK	0.85, 0.00, 0.01, 0.00
HSL	179°, 99%, 57%
HSV	179°, 85%, 100%
XYZ	53.8373, 78.3432, 104.3630
YIQ	189.4870, -127.4980, -46.2020

Conversions

Conversions Part 2

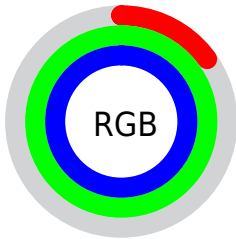
Format	Color
R _Y B	39, 147, 254
Decimal	2621180
CIE Lab	90.94, -47.23, -12.82
CIE LCh	91, 48.942, 195.186
Yxy	78.3432, 0.2276, 0.3312
Android (android.graphics.Color)	4280811260 (0xFF27FEFC)
YUV	189.4870, 30.8189, -131.9771
Hunter-Lab	88.5117, -46.3227, -7.9499

Details

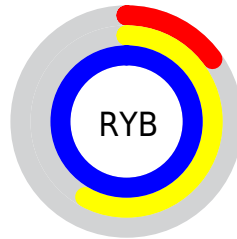
The Yxy color **78.3432, 0.2276, 0.3312** is a light color, and the websafe version is hex **33FFFF**. The color can be described as light washed cyan. A complement of this color would be **22.6628, 0.6095, 0.3290**, and the grayscale version is **51.0053, 0.3127, 0.3290**.

A 20% lighter version of the original color is **83.4071, 0.2478, 0.3288**, and **43.4200, 0.2251, 0.3303** is the 20% darker color. If you saturate the color by 10%, you get **77.9934, 0.2259, 0.3315**, and if you desaturate by 10%, it is **79.0291, 0.2310, 0.3309**.

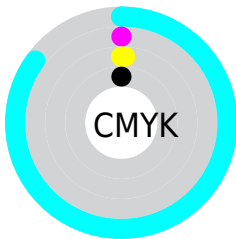
Distribution



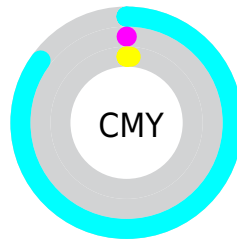
- Red (15%)
- Green (100%)
- Blue (99%)



- Red (15%)
- Yellow (58%)
- Blue (100%)



- Cyan (85%)
- Magenta (0%)
- Yellow (1%)
- Black (0%)




- Cyan (85%)
- Magenta (0%)
- Yellow (1%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 78.3432, 0.2276, 0.3312 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 78.3432, 0.2276, 0.3312 by changing the saturation by 10% instead.

 78.3432, 0.2276,
0.3312


 78.3432, 0.2276,
0.3312


489.3316, 0.2653,
0.3314


 58.3560, 0.2194,
0.3309


 131.0338, 0.2403,
0.3315

 42.0949, 0.2096,
0.3303


 164.5060, 0.2454,
0.3316

 29.1756, 0.1975,
0.3294


 203.2419, 0.2498,
0.3316

 19.2137, 0.1823,
0.3279

 247.6259, 0.2536,
0.3316

 11.8248, 0.1628,
0.3253

298.0425, 0.2570,
0.3315

 6.6245, 0.1372,
0.3204

354.8761, 0.2601,

 3.2284, 0.1027,

0.3315

418.5110, 0.2628,
0.3315

0.3107

1.2521, 0.0000,
0.3065

0.1037, 0.0000,
0.0931

78.3432, 0.2276,
0.3312

78.3432, 0.2276,
0.3312

77.9934, 0.2259,
0.3315

79.0291, 0.2310,
0.3309

77.8976, 0.2255,
0.3317

80.0996, 0.2363,
0.3306

81.6043, 0.2436,
0.3303

83.5831, 0.2528,
0.3300

86.0716, 0.2639,
0.3298

89.1018, 0.2765,
0.3295

92.7033, 0.2904,
0.3293

96.9033, 0.3053,
0.3291

99.3185, 0.3133,
0.3289

Harmonies

Analogous

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



78.3432, 0.2674, 0.3893



78.3432, 0.2276, 0.3312



78.3432, 0.2103, 0.2794

Triad

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



78.3432, 0.2276, 0.3312



78.3432, 0.2952, 0.2498



78.3432, 0.4158, 0.4037

Complementary

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



78.3432, 0.2276, 0.3312



22.6628, 0.6095, 0.3290

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.



78.3432, 0.4272, 0.3620



78.3432, 0.2276, 0.3312



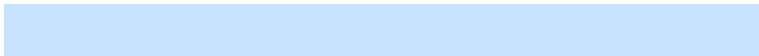
78.3432, 0.3539, 0.2778

Square

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



78.3432, 0.2276, 0.3312



78.3432, 0.2463, 0.2386



78.3432, 0.4042, 0.3174



78.3432, 0.3762, 0.4308

Rectangle

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



78.3432, 0.2276, 0.3312



78.3432, 0.2120, 0.2558



78.3432, 0.4042, 0.3174



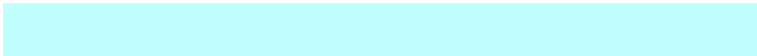
78.3432, 0.4232, 0.3907

Sweetspot

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



78.3461, 0.2276, 0.3312



89.8101, 0.2761, 0.3295



71.5363, 0.3012, 0.5860



18.9804, 0.2716, 0.3296



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.



78.3461, 0.2276, 0.3312



78.5858, 0.2255, 0.3317



29.3763, 0.1888, 0.1873



20.4784, 0.2981, 0.3292



41.0641, 0.2255, 0.3316



3.9992, 0.2254, 0.3313

Inverse Universe

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



22.6628, 0.6095, 0.3290



21.2653, 0.6394, 0.3296



40.7926, 0.5160, 0.4125



17.9899, 0.3293, 0.3288



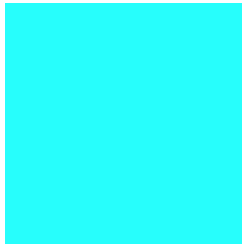
11.1128, 0.6391, 0.3294



1.0829, 0.6368, 0.3282

Previews

White Background



This preview shows how the Yxy color 78.3432, 0.2276, 0.3312 looks on a white background.

Color Contrast Check

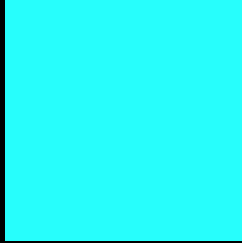
Large Text (above 18pt) WCAG AA × Fail

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 78.3432, 0.2276, 0.3312 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

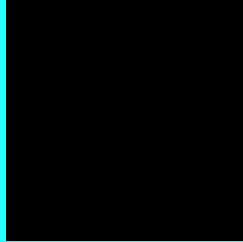
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

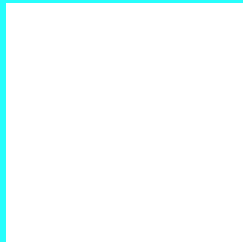
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 78.3432, 0.2276, 0.3312

Background



This preview shows how black text looks on a background with the Yxy color 78.3432, 0.2276, 0.3312.

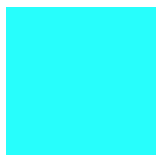


This preview shows how white text looks on a background with the Yxy color 78.3432, 0.2276, 0.3312.

Color Blindness Simulation

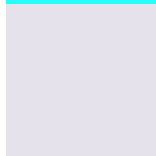
Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy



Original Color

78.3432, 0.2276, 0.3312



Protanopia

77.0489, 0.3090, 0.3196



Deuteranopia

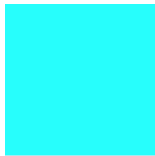
76.7862, 0.2993, 0.2955



Tritanopia

77.5943, 0.2556, 0.3142

Trichromacy



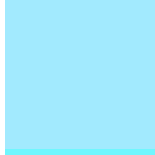
Original Color

78.3432, 0.2276, 0.3312



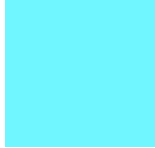
Protanomaly

73.8154, 0.2642, 0.3231



Deuteranomaly

73.6828, 0.2586, 0.3062



Tritanomaly

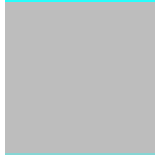
76.5120, 0.2402, 0.3194

Monochromacy



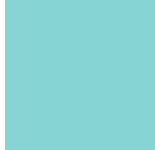
Original Color

78.3432, 0.2276, 0.3312



Achromatopsia

50.8881, 0.3127, 0.3290



Achromatomaly

57.4103, 0.2617, 0.3302

CSS Examples

Text

The CSS property to change the color of the text to Yxy 78.3432, 0.2276, 0.3312 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(39, 254, 252)` looks like.

```
.text, #text, p{  
    color:rgb(39, 254, 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(39, 254, 252) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(39, 254, 252) }
```

Border

The CSS property to change the border of an element to Yxy 78.3432, 0.2276, 0.3312 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(39, 254, 252) }
```

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

```
.border{ border-color:rgb(39, 254, 252) }
```

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

Here you see how a box with a 4 pixel `rgb(39, 254, 252)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(39, 254, 252); -webkit-box-  
shadow:4px 4px 4px 4px rgb(39, 254, 252);  
box-shadow:4px 4px 4px 4px rgb(39, 254,  
252) }
```


Background

The CSS property to change the background color of an element to Yxy 78.3432, 0.2276, 0.3312 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(39, 254, 252) }
```

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

```
.background{ background-color: rgb(39, 254,  
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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