

Converting Colors

$Y_{xy}(78.4270, 0.2260, 0.3275)$

Have a look what the booklet for
Yxy(78.4270, 0.2260, 0.3275)
contains.

Yxy(78.4270, 0.2260, 0.3275)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(78.4270, 0.2260, 0.3275)

Conversions

Conversions Part 1

Format	Color
Hex	21FEFF
RGB	33, 254, 255
RGB Percent	13%, 100%, 100%
CMY	0.8710, 0.0039, 0.0000
CMYK	0.87, 0.00, 0.00, 0.00
HSL	180°, 100%, 56%
HSV	180°, 87%, 100%
XYZ	54.1206, 78.4270, 106.9241
YIQ	188.0350, -132.0370, -46.5410

Conversions

Conversions Part 2

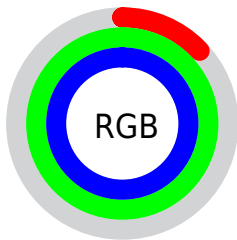
Format	Color
R_{YB}	33, 144, 255
Decimal	2227967
CIE _{Lab}	90.97, -46.67, -14.35
CIE _{LCh}	91, 48.830, 197.096
Yxy	78.4270, 0.2260, 0.3275
Android (android.graphics.Color)	4280418047 (0xFF21FEFF)
YUV	188.0350, 33.0137, -135.9657
Hunter-Lab	88.5590, -45.8925, -9.5941

Details

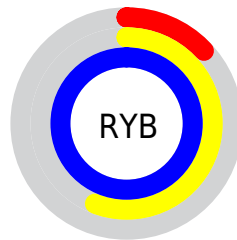
The Yxy color **78.4270, 0.2260, 0.3275** is a light color, and the websafe version is hex **33FFFF**. The color can be described as light washed cyan. A complement of this color would be **22.5072, 0.6175, 0.3303**, and the grayscale version is **50.1581, 0.3127, 0.3290**.

A 20% lighter version of the original color is **83.3292, 0.2475, 0.3288**, and **44.0097, 0.2242, 0.3272** is the 20% darker color. If you saturate the color by 10%, you get **78.0809, 0.2245, 0.3274**, and if you desaturate by 10%, it is **79.0899, 0.2291, 0.3277**.

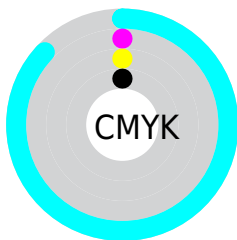
Distribution



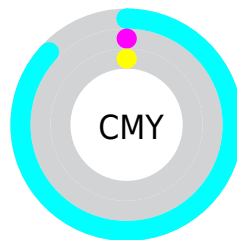
- Red (13%)
- Green (100%)
- Blue (100%)



- Red (13%)
- Yellow (56%)
- Blue (100%)



- Cyan (87%)
- Magenta (0%)
- Yellow (0%)
- Black (0%)





- Cyan (87%)
- Magenta (0%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 78.4270, 0.2260, 0.3275 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 78.4270, 0.2260, 0.3275 by changing the saturation by 10% instead.


 78.4270, 0.2260,
0.3275


 78.4270, 0.2260,
0.3275


489.6158, 0.2643,
0.3295

 58.4248, 0.2177,
0.3268


 131.1519, 0.2389,
0.3284

 42.1503, 0.2077,
0.3257


 164.6434, 0.2440,
0.3287

 29.2190, 0.1955,
0.3242


 203.4001, 0.2485,
0.3289

 19.2465, 0.1802,
0.3218

 247.8064, 0.2524,
0.3291

 11.8486, 0.1606,
0.3180

298.2467, 0.2559,
0.3292

 6.6406, 0.1349,
0.3116

355.1055, 0.2590,

 3.2384, 0.1007,

0.3293

0.2995

418.7670, 0.2618,
0.3294

■ 1.2574, 0.0035,
0.2896

■ 0.1079, 0.0000,
0.0872

■ 78.4270, 0.2260,
0.3275

■ 78.4270, 0.2260,
0.3275

■ 78.0809, 0.2245,
0.3274


■ 79.0899, 0.2291,
0.3277

■ 78.0121, 0.2243,
0.3274


■ 80.1312, 0.2341,
0.3279


■ 81.6003, 0.2410,
0.3280

■ 83.5390, 0.2499,
0.3282

 85.9841, 0.2607,
0.3284

 88.9686, 0.2730,
0.3286

 92.5229, 0.2868,
0.3287

 96.6751, 0.3017,
0.3289

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.



78.4270, 0.2644, 0.3857



78.4270, 0.2260, 0.3275



78.4270, 0.2102, 0.2768

Triad

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



78.4270, 0.2260, 0.3275



78.4270, 0.2989, 0.2513



78.4270, 0.4137, 0.4058

Complementary

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



78.4270, 0.2260, 0.3275



22.5072, 0.6175, 0.3303

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.



78.4270, 0.4272, 0.3648



78.4270, 0.2260, 0.3275



78.4270, 0.3575, 0.2801

Square

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



78.4270, 0.2260, 0.3275



78.4270, 0.2490, 0.2390



78.4270, 0.4064, 0.3202



78.4270, 0.3729, 0.4314

Rectangle

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



78.4270, 0.2260, 0.3275



78.4270, 0.2130, 0.2542



78.4270, 0.4064, 0.3202



78.4270, 0.4218, 0.3931

Sweetspot

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



78.4274, 0.2260, 0.3275



89.3308, 0.2745, 0.3286



71.9509, 0.3005, 0.5898



18.8811, 0.2700, 0.3285



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.



78.4274, 0.2260, 0.3275



78.0121, 0.2243, 0.3274



27.4726, 0.1854, 0.1778



20.4667, 0.2980, 0.3289



40.7695, 0.2243, 0.3274



3.9739, 0.2243, 0.3275

Inverse Universe

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



29.4980, 0.3217, 0.1590



28.4065, 0.3221, 0.1548



41.3002, 0.5175, 0.4152



18.2989, 0.3139, 0.3057



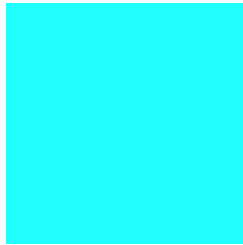
14.8437, 0.3220, 0.1548



1.4457, 0.3219, 0.1547

Previews

White Background



This preview shows how the Yxy color 78.4270, 0.2260, 0.3275 looks on a white background.

Color Contrast Check

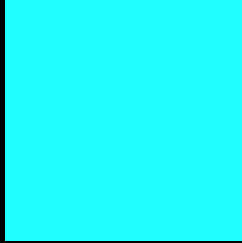
Large Text (above 18pt) WCAG AA × Fail

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 78.4270, 0.2260, 0.3275 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

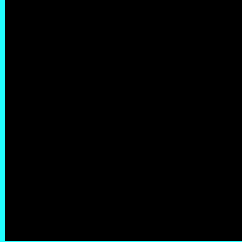
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 78.4270, 0.2260, 0.3275

Background



This preview shows how black text looks on a background with the Yxy color 78.4270, 0.2260, 0.3275.

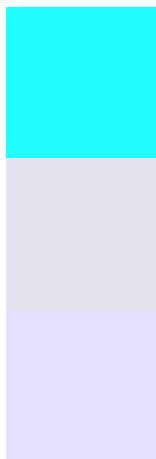


This preview shows how white text looks on a background with the Yxy color 78.4270, 0.2260, 0.3275.

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

78.4270, 0.2260, 0.3275

Protanopia

77.0597, 0.3064, 0.3164

Deuteranopia

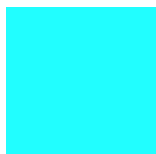
76.9843, 0.2979, 0.2964



Tritanopia

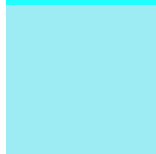
77.5943, 0.2556, 0.3142

Trichromacy



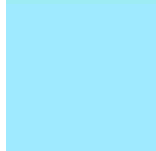
Original Color

78.4270, 0.2260, 0.3275



Protanomaly

73.6907, 0.2612, 0.3196



Deuteranomaly

73.4366, 0.2566, 0.3051



Tritanomaly

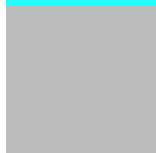
76.4465, 0.2391, 0.3182

Monochromacy



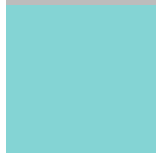
Original Color

78.4270, 0.2260, 0.3275



Achromatopsia

50.2886, 0.3127, 0.3290



Achromatomaly

56.7460, 0.2604, 0.3288

CSS Examples

Text

The CSS property to change the color of the text to Yxy 78.4270, 0.2260, 0.3275 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(33, 254, 255)` looks like.

```
.text, #text, p{  
    color:rgb(33, 254, 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(33, 254, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(33, 254, 255) }
```

Border

The CSS property to change the border of an element to Yxy 78.4270, 0.2260, 0.3275 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(33, 254, 255) }
```

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

```
.border{ border-color:rgb(33, 254, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(33, 254, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(33, 254, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(33, 254, 255);  
box-shadow:4px 4px 4px 4px rgb(33, 254,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 78.4270, 0.2260, 0.3275 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(33, 254, 255) }
```

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

```
.background{ background-color: rgb(33, 254,  
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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor