

# Converting Colors

$Yxy(75.4925, 0.1733, 0.3436)$

Have a look what the booklet for  
Yxy(75.4925, 0.1733, 0.3436)  
contains.

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# Color

**Yxy(78.6758, 0.2250, 0.3299)**

# Conversions

## Conversions Part 1

Format	Color
Hex	01FFFE
RGB	1, 255, 254
RGB Percent	0%, 100%, 100%
CMY	0.9974, 0.0000, 0.0038
CMYK	1.00, 0.00, 0.00, 0.00
HSL	180°, 100%, 50%
HSV	180°, 100%, 100%
XYZ	53.6589, 78.6758, 106.1491
YIQ	178.9400, -151.0630, -54.1590

# Conversions

## Conversions Part 2

<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	1, 128, 255
Decimal	131070
CIE <sub>Lab</sub>	91.09, -48.34, -13.68
CIE <sub>LCh</sub>	91, 50.240, 195.799
Yxy	78.6758, 0.2250, 0.3299
Android (android.graphics.Color)	4278321150 (0xFF01FFFE)
YUV	178.9400, 37.0046, -156.0534
Hunter-Lab	88.6994, -47.2400, -8.8645

# Details

The Yxy color **78.6758, 0.2250, 0.3299** is a light color, and the websafe version is hex **00FFFF**. The color can be described as light saturated cyan. A complement of this color would be **21.2772, 0.6395, 0.3298**, and the grayscale version is **44.8506, 0.3127, 0.3290**.

A 20% lighter version of the original color is **82.8049, 0.2450, 0.3288**, and **43.9637, 0.2247, 0.3287** is the 20% darker color. If you saturate the color by 10%, you get **78.6742, 0.2250, 0.3299**, and if you desaturate by 10%, it is **78.9025, 0.2261, 0.3298**.

# Distribution



- Red (0%)
- Green (100%)
- Blue (100%)



- Red (0%)
- Yellow (50%)
- Blue (100%)



- Cyan (100%)
- Magenta (0%)
- Yellow (0%)
- Black (0%)




- Cyan (100%)
- Magenta (0%)
- Yellow (0%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 78.6758, 0.2250, 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 78.6758, 0.2250, 0.3299 by changing the saturation by 10% instead.




 78.6758, 0.2250,  
0.3299


 78.6758, 0.2250,  
0.3299

490.4589, 0.2637,  
0.3308


 58.6293, 0.2166,  
0.3294


 131.5024, 0.2381,  
0.3305

 42.3148, 0.2066,  
0.3286


 165.0512, 0.2432,  
0.3306

 29.3478, 0.1942,  
0.3275


 203.8696, 0.2478,  
0.3307

 19.3441, 0.1787,  
0.3256

 248.3420, 0.2517,  
0.3308

 11.9192, 0.1590,  
0.3224

298.8527, 0.2553,  
0.3308

 6.6887, 0.1331,  
0.3167

355.7861, 0.2584,

 3.2682, 0.0987,

0.3308

0.3058

419.5268, 0.2612,  
0.3308

■ 1.2733, 0.0000,  
0.2982

■ 0.1204, 0.0000,  
0.0992

■ 78.6758, 0.2250,  
0.3299

■ 78.6758, 0.2250,  
0.3299


■ 78.6742, 0.2250,  
0.3299

■ 78.9025, 0.2261,  
0.3298


■ 79.4082, 0.2287,  
0.3297


■ 80.2779, 0.2331,  
0.3296


■ 81.5634, 0.2394,  
0.3295

 83.3079, 0.2477,  
0.3294

 85.5494, 0.2579,  
0.3293

 88.3218, 0.2698,  
0.3292

 91.6562, 0.2832,  
0.3291

 95.5813, 0.2977,  
0.3291

# Harmonies

## Analogous

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



78.6758, 0.2652, 0.3898



78.6758, 0.2250, 0.3299



78.6758, 0.2079, 0.2771

# Triad

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



78.6758, 0.2250, 0.3299



78.6758, 0.2959, 0.2485



78.6758, 0.4176, 0.4060

# Complementary

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



78.6758, 0.2250, 0.3299



21.2772, 0.6395, 0.3298

# 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.



78.6758, 0.4302, 0.3634



78.6758, 0.2250, 0.3299



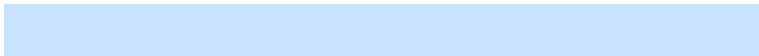
78.6758, 0.3561, 0.2773

# Square

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



78.6758, 0.2250, 0.3299



78.6758, 0.2456, 0.2367



78.6758, 0.4074, 0.3179



78.6758, 0.3765, 0.4336



# Rectangle

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



78.6758, 0.2250, 0.3299



78.6758, 0.2100, 0.2534



78.6758, 0.4074, 0.3179



78.6758, 0.4255, 0.3928

# Sweetspot

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



78.6787, 0.2250, 0.3299



88.2456, 0.2695, 0.3292



71.5497, 0.3002, 0.5997



18.6250, 0.2643, 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.



78.6787, 0.2250, 0.3299



78.6780, 0.2250, 0.3299



23.7464, 0.1780, 0.1606



20.4802, 0.2981, 0.3290



41.1115, 0.2250, 0.3299



4.0033, 0.2249, 0.3297



# Inverse Universe

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



21.2772, 0.6395, 0.3298



21.2621, 0.6398, 0.3298



35.5747, 0.5481, 0.4028



17.9882, 0.3294, 0.3290



11.1104, 0.6397, 0.3298

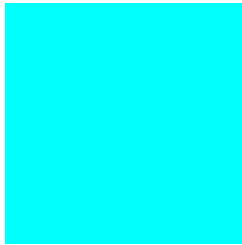


1.0822, 0.6388, 0.3292



# Previews

## White Background



This preview shows how the Yxy color 78.6758, 0.2250, 0.3299 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

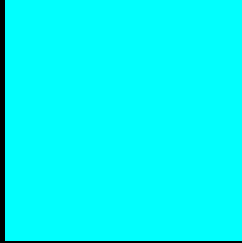
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 78.6758, 0.2250, 0.3299 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

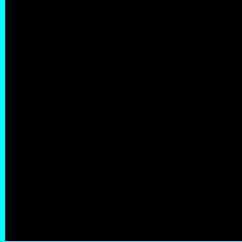
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 78.6758, 0.2250, 0.3299**

## **Background**



This preview shows how black text looks on a background with the Yxy color 78.6758, 0.2250, 0.3299.

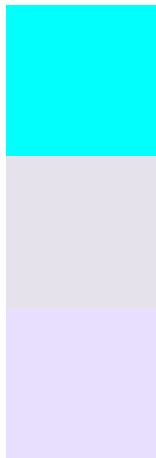


This preview shows how white text looks on a background with the Yxy color 78.6758, 0.2250, 0.3299.

# 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

78.6822, 0.2250, 0.3299

### Protanopia

77.1069, 0.3084, 0.3185

### Deuteranopia

77.1512, 0.2986, 0.2964



## Tritanopia

77.7922, 0.2565, 0.3142

# Trichromacy



## Original Color

78.6822, 0.2250, 0.3299



## Protanomaly

73.1504, 0.2566, 0.3218



## Deuteranomaly

72.9326, 0.2515, 0.3059



## Tritanomaly

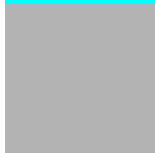
76.4509, 0.2363, 0.3193

# Monochromacy



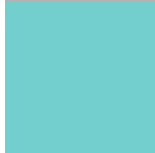
## Original Color

78.6822, 0.2250, 0.3299



## Achromatopsia

45.0786, 0.3127, 0.3290



## Achromatomaly

52.6593, 0.2533, 0.3302

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 78.6758, 0.2250, 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(1, 255, 254)` looks like.

```
.text, #text, p{  
    color:rgb(1, 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(1, 255, 254) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(1, 255, 254) }
```

## Border

The CSS property to change the border of an element to Yxy 78.6758, 0.2250, 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(1, 255, 254) }
```

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

```
.border{ border-color:rgb(1, 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(1, 255, 254) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(1, 255, 254); -webkit-box-  
shadow:4px 4px 4px 4px rgb(1, 255, 254);  
box-shadow:4px 4px 4px 4px rgb(1, 255,  
254) }
```



# Background

The CSS property to change the background color of an element to Yxy 78.6758, 0.2250, 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(1, 255, 254) }
```

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

```
.background{ background-color: rgb(1, 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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