

# Converting Colors

$Y_{xy}(78.4700, 0.2284, 0.3381)$

Have a look what the booklet for  
Yxy(78.4700, 0.2284, 0.3381)  
contains.

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# Color

**Yxy(78.4421, 0.2285, 0.3385)**

# Conversions

## Conversions Part 1

Format	Color
Hex	19FFF7
RGB	25, 255, 247
RGB Percent	10%, 100%, 97%
CMY	0.9013, 0.0000, 0.0314
CMYK	0.90, 0.00, 0.03, 0.00
HSL	178°, 100%, 55%
HSV	178°, 90%, 100%
XYZ	52.9513, 78.4421, 100.3410
YIQ	185.3180, -134.5120, -51.2480

# Conversions

## Conversions Part 2

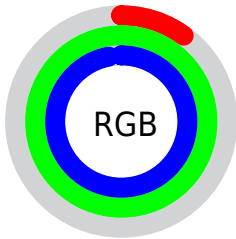
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	25, 142, 255
Decimal	1703927
CIE Lab	90.98, -49.71, -10.18
CIE LCh	91, 50.740, 191.570
Yxy	78.4421, 0.2285, 0.3385
Android (android.graphics.Color)	4279894007 (0xFF19FFF7)
YUV	185.3180, 30.4092, -140.5989
Hunter-Lab	88.5675, -48.2745, -5.1743

# Details

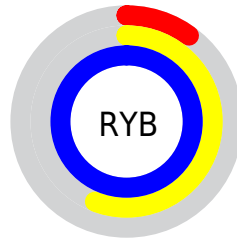
The Yxy color **78.4421, 0.2285, 0.3385** is a light color, and the websafe version is hex **00FFFF**. The color can be described as light washed cyan. A complement of this color would be **22.0737, 0.6207, 0.3273**, and the grayscale version is **48.6163, 0.3127, 0.3290**.

A 20% lighter version of the original color is **83.1000, 0.2464, 0.3288**, and **43.6941, 0.2273, 0.3381** is the 20% darker color. If you saturate the color by 10%, you get **78.1811, 0.2277, 0.3396**, and if you desaturate by 10%, it is **78.9856, 0.2308, 0.3374**.

# Distribution



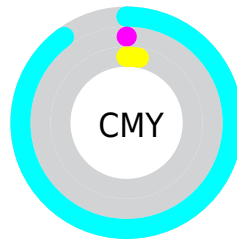
- Red (10%)
- Green (100%)
- Blue (97%)



- Red (10%)
- Yellow (56%)
- Blue (100%)



- Cyan (90%)
- Magenta (0%)
- Yellow (3%)
- Black (0%)




- Cyan (90%)
- Magenta (0%)
- Yellow (3%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 78.4421, 0.2285, 0.3385 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 78.4421, 0.2285, 0.3385 by changing the saturation by 10% instead.





 78.4421, 0.2285,  
0.3385


 78.4421, 0.2285,  
0.3385


489.6670, 0.2659,  
0.3353


 58.4372, 0.2204,  
0.3390


 131.1732, 0.2411,  
0.3376


 42.1603, 0.2106,  
0.3394

 164.6681, 0.2462,  
0.3372

 29.2268, 0.1985,  
0.3398


 203.4286, 0.2505,  
0.3368

 19.2525, 0.1833,  
0.3399

 247.8389, 0.2543,  
0.3364

 11.8528, 0.1637,  
0.3395

298.2835, 0.2577,  
0.3361

 6.6435, 0.1379,  
0.3377

355.1468, 0.2608,

 3.2402, 0.1030,

0.3358

418.8131, 0.2635,  
0.3355

0.3325

1.2584, 0.0000,  
0.3366

0.1086, 0.0000,  
0.1158

78.4421, 0.2285,  
0.3385

78.4421, 0.2285,  
0.3385

78.1811, 0.2277,  
0.3396

78.9856, 0.2308,  
0.3374

79.8892, 0.2349,  
0.3362

81.2068, 0.2410,  
0.3351

82.9823, 0.2490,  
0.3339

85.2536, 0.2589,  
0.3328

88.0549, 0.2705,  
0.3318

91.4173, 0.2834,  
0.3308

95.3696, 0.2976,  
0.3299

99.9383, 0.3125,  
0.3290

# Harmonies

## Analogous

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



78.4421, 0.2719, 0.3982



78.4421, 0.2285, 0.3385



78.4421, 0.2078, 0.2829

# Triad

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



78.4421, 0.2285, 0.3385



78.4421, 0.2876, 0.2449



78.4421, 0.4225, 0.4012

# Complementary

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



78.4421, 0.2285, 0.3385



22.0737, 0.6207, 0.3273

# 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.



78.4421, 0.4304, 0.3572



78.4421, 0.2285, 0.3385



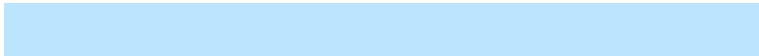
78.4421, 0.3480, 0.2718

# Square

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



78.4421, 0.2285, 0.3385



78.4421, 0.2392, 0.2357



78.4421, 0.4025, 0.3115



78.4421, 0.3843, 0.4323



# Rectangle

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



78.4421, 0.2285, 0.3385



78.4421, 0.2077, 0.2568



78.4421, 0.4025, 0.3115



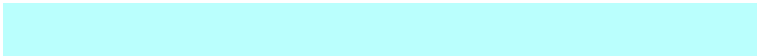
78.4421, 0.4290, 0.3873

# Sweetspot

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



78.4441, 0.2285, 0.3385



89.0444, 0.2744, 0.3314



71.9782, 0.3018, 0.5921



18.8284, 0.2701, 0.3318



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.



78.4441, 0.2285, 0.3385



78.1811, 0.2277, 0.3396



29.7494, 0.1873, 0.1881



20.4699, 0.2985, 0.3298



40.8562, 0.2276, 0.3394



3.9813, 0.2273, 0.3381



# Inverse Universe

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



22.0737, 0.6207, 0.3273



21.2795, 0.6376, 0.3286



36.9258, 0.5373, 0.4031



17.9973, 0.3289, 0.3282



11.1234, 0.6366, 0.3280

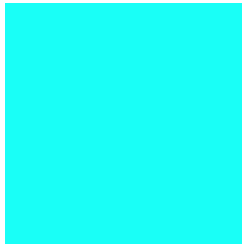


1.0865, 0.6282, 0.3235



# Previews

## White Background



This preview shows how the Yxy color 78.4421, 0.2285, 0.3385 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

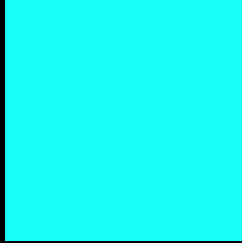
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 78.4421, 0.2285, 0.3385 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

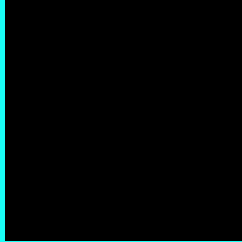
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

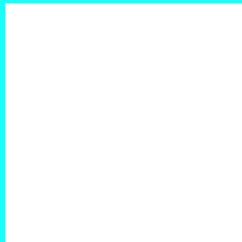
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 78.4421, 0.2285, 0.3385**

## **Background**



This preview shows how black text looks on a background with the Yxy color 78.4421, 0.2285, 0.3385.

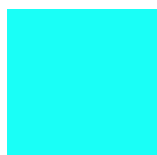


This preview shows how white text looks on a background with the Yxy color 78.4421, 0.2285, 0.3385.

# Color Blindness Simulation

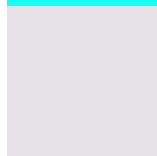
Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

## Dichromacy



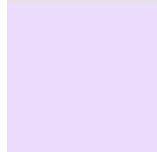
### Original Color

78.4421, 0.2285, 0.3385



### Protanopia

76.9289, 0.3129, 0.3248



### Deuteranopia

76.7015, 0.3019, 0.2956



## Tritanopia

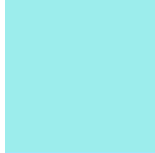
77.5943, 0.2556, 0.3142

# Trichromacy



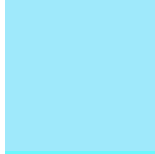
## Original Color

78.4421, 0.2285, 0.3385



## Protanomaly

73.6924, 0.2648, 0.3300



## Deuteranomaly

72.6138, 0.2583, 0.3083



## Tritanomaly

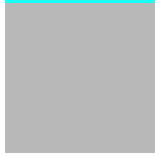
76.6756, 0.2396, 0.3229

# Monochromacy



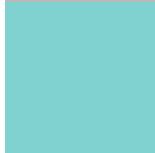
## Original Color

78.4421, 0.2285, 0.3385



## Achromatopsia

48.5150, 0.3127, 0.3290



## Achromatomaly

55.1593, 0.2595, 0.3315

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 78.4421, 0.2285, 0.3385 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(25, 255, 247)` looks like.

```
.text, #text, p{  
    color:rgb(25, 255, 247)  
}
```

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(25, 255, 247) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(25, 255, 247) }
```

## Border

The CSS property to change the border of an element to Yxy 78.4421, 0.2285, 0.3385 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(25, 255, 247) }
```

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

```
.border{ border-color:rgb(25, 255, 247) }
```

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

Here you see how a box with a 4 pixel `rgb(25, 255, 247)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(25, 255, 247); -webkit-box-  
shadow:4px 4px 4px 4px rgb(25, 255, 247);  
box-shadow:4px 4px 4px 4px rgb(25, 255,  
247) }
```



# Background

The CSS property to change the background color of an element to Yxy 78.4421, 0.2285, 0.3385 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(25, 255, 247) }
```

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

```
.background{ background-color: rgb(25, 255,  
247) }
```

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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