

# Converting Colors

$Y_{xy}(73.4981, 0.2261, 0.3287)$

Have a look what the booklet for  
Yxy(73.4981, 0.2261, 0.3287)  
contains.

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# Color

**Yxy(73.4981, 0.2261, 0.3287)**

# Conversions

## Conversions Part 1

Format	Color
Hex	1DF7F7
RGB	29, 247, 247
RGB Percent	11%, 97%, 97%
CMY	0.8869, 0.0314, 0.0312
CMYK	0.88, 0.00, 0.00, 0.03
HSL	180°, 93%, 54%
HSV	180°, 88%, 97%
XYZ	50.5565, 73.4981, 99.5478
YIQ	181.8180, -129.9280, -46.2160

# Conversions

## Conversions Part 2

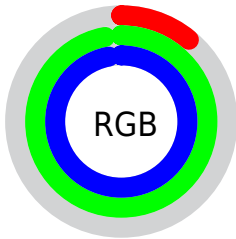
Format	Color
R <sub>Y</sub> B	29, 138, 247
Decimal	1964023
CIE Lab	88.68, -46.11, -13.62
CIE LCh	89, 48.078, 196.459
Yxy	73.4981, 0.2261, 0.3287
Android (android.graphics.Color)	4280154103 (0xFF1DF7F7)
YUV	181.8180, 32.1347, -134.0214
Hunter-Lab	85.7310, -44.7660, -8.8337

# Details

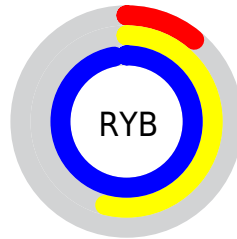
The Yxy color **73.4981, 0.2261, 0.3287** is a light color, and the websafe version is hex **33FFFF**. The color can be described as light washed cyan. A complement of this color would be **20.7416, 0.6208, 0.3299**, and the grayscale version is **46.5258, 0.3127, 0.3290**.

A 20% lighter version of the original color is **83.0251, 0.2460, 0.3288**, and **40.5885, 0.2242, 0.3272** is the 20% darker color. If you saturate the color by 10%, you get **73.2663, 0.2248, 0.3287**, and if you desaturate by 10%, it is **74.0160, 0.2290, 0.3287**.

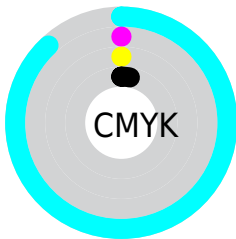
# Distribution



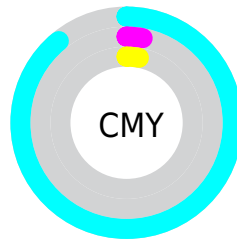
- Red (11%)
- Green (97%)
- Blue (97%)



- Red (11%)
- Yellow (54%)
- Blue (97%)



- Cyan (88%)
- Magenta (0%)
- Yellow (0%)
- Black (3%)




- Cyan (89%)
- Magenta (3%)
- Yellow (3%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 73.4981, 0.2261, 0.3287 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 73.4981, 0.2261, 0.3287 by changing the saturation by 10% instead.





 73.4981, 0.2261,  
0.3287

 73.4981, 0.2261,  
0.3287


472.7393, 0.2648,  
0.3301


 54.3833, 0.2176,  
0.3281


 124.1841, 0.2393,  
0.3294


 38.9082, 0.2074,  
0.3271

 156.5241, 0.2444,  
0.3297

 26.6883, 0.1947,  
0.3257


 194.0413, 0.2490,  
0.3298

 17.3393, 0.1788,  
0.3235

 237.1201, 0.2529,  
0.3299

 10.4767, 0.1582,  
0.3198

286.1449, 0.2564,  
0.3300

 5.7161, 0.1310,  
0.3132

341.5002, 0.2595,

 2.6733, 0.0944,

0.3301

403.5702, 0.2623,  
0.3301

0.3003

0.9636, 0.0000,  
0.2853

0.0000, 0.0000,  
0.0000

73.4981, 0.2261,  
0.3287

73.4981, 0.2261,  
0.3287

73.2663, 0.2248,  
0.3287


74.0160, 0.2290,  
0.3287


73.2392, 0.2246,  
0.3287


74.8769, 0.2337,  
0.3287


76.1298, 0.2403,  
0.3288


77.8139, 0.2489,  
0.3288

 79.9639, 0.2594,  
0.3288

 82.6107, 0.2715,  
0.3289

 85.7826, 0.2851,  
0.3289

 89.5059, 0.2998,  
0.3290

 93.8049, 0.3154,  
0.3290

# Harmonies

## Analogous

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



73.4981, 0.2651, 0.3873



73.4981, 0.2261, 0.3287



73.4981, 0.2097, 0.2774

# Triad

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



73.4981, 0.2261, 0.3287



73.4981, 0.2976, 0.2504



73.4981, 0.4149, 0.4054

# Complementary

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



73.4981, 0.2261, 0.3287



20.7416, 0.6208, 0.3299

# 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.



73.4981, 0.4278, 0.3640



73.4981, 0.2261, 0.3287



73.4981, 0.3565, 0.2791

# Square

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



73.4981, 0.2261, 0.3287



73.4981, 0.2478, 0.2384



73.4981, 0.4062, 0.3192



73.4981, 0.3743, 0.4317



# Rectangle

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



73.4981, 0.2261, 0.3287



73.4981, 0.2122, 0.2544



73.4981, 0.4062, 0.3192



73.4981, 0.4228, 0.3926

# Sweetspot

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



73.5008, 0.2261, 0.3287



89.5138, 0.2745, 0.3289



66.8921, 0.3004, 0.5911



18.9255, 0.2700, 0.3289



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.



73.5008, 0.2261, 0.3287



78.7142, 0.2246, 0.3287



25.1360, 0.1844, 0.1758



18.7574, 0.2981, 0.3290



38.7201, 0.2246, 0.3287



3.4033, 0.2246, 0.3287



# Inverse Universe

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



27.3677, 0.3208, 0.1579



28.4774, 0.3210, 0.1542



38.0285, 0.5200, 0.4148



16.7683, 0.3138, 0.3057



14.0082, 0.3210, 0.1542

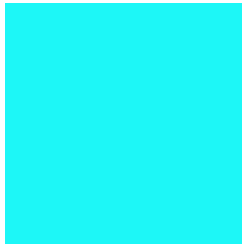


1.2312, 0.3210, 0.1542



# Previews

## White Background



This preview shows how the Yxy color 73.4981, 0.2261, 0.3287 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

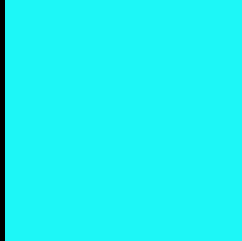
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 73.4981, 0.2261, 0.3287 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

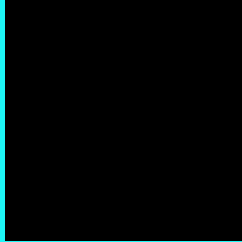
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

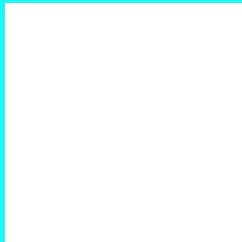
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 73.4981, 0.2261, 0.3287**

## **Background**



This preview shows how black text looks on a background with the Yxy color 73.4981, 0.2261, 0.3287.



This preview shows how white text looks on a background with the Yxy color 73.4981, 0.2261, 0.3287.

# Color Blindness Simulation

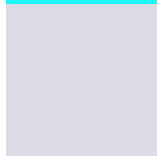
Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

## Dichromacy



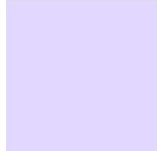
### Original Color

73.4981, 0.2261, 0.3287



### Protanopia

71.9058, 0.3076, 0.3172



### Deuteranopia

71.9254, 0.2951, 0.2886



## Tritanopia

72.9461, 0.2408, 0.3100

# Trichromacy



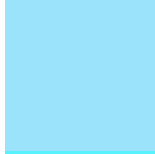
## Original Color

73.4981, 0.2261, 0.3287



## Protanomaly

68.7702, 0.2615, 0.3205



## Deuteranomaly

68.7732, 0.2548, 0.3010



## Tritanomaly

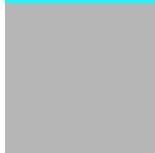
72.5588, 0.2324, 0.3167

# Monochromacy



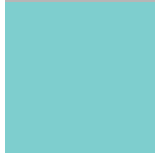
## Original Color

73.4981, 0.2261, 0.3287



## Achromatopsia

46.7784, 0.3127, 0.3290



## Achromatomaly

53.0345, 0.2593, 0.3288

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 73.4981, 0.2261, 0.3287 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(29, 247, 247)` looks like.

```
.text, #text, p{  
  color:rgb(29, 247, 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(29, 247, 247) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(29, 247, 247) }
```

## Border

The CSS property to change the border of an element to Yxy 73.4981, 0.2261, 0.3287 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(29, 247, 247) }
```

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

```
.border{ border-color:rgb(29, 247, 247) }
```

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

Here you see how a box with a 4 pixel `rgb(29, 247, 247)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(29, 247, 247); -webkit-box-  
shadow:4px 4px 4px 4px rgb(29, 247, 247);  
box-shadow:4px 4px 4px 4px rgb(29, 247,  
247) }
```



# Background

The CSS property to change the background color of an element to Yxy 73.4981, 0.2261, 0.3287 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(29, 247, 247) }
```

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

```
.background{ background-color: rgb(29, 247,  
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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