

Converting Colors

$Y_{xy}(75.0145, 0.2336, 0.3564)$

Have a look what the booklet for
Yxy(75.0145, 0.2336, 0.3564)
contains.

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Color

Yxy(74.8582, 0.2336, 0.3567)

Conversions

Conversions Part 1

Format	Color
Hex	18FBE5
RGB	24, 251, 229
RGB Percent	9%, 98%, 90%
CMY	0.9051, 0.0156, 0.1020
CMYK	0.90, 0.00, 0.09, 0.02
HSL	174°, 97%, 54%
HSV	174°, 90%, 98%
XYZ	49.0240, 74.8582, 85.9809
YIQ	180.6190, -128.2300, -54.9660

Conversions

Conversions Part 2

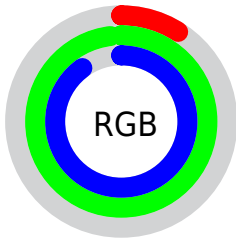
Format	Color
R _Y B	24, 143, 251
Decimal	1637349
CIE Lab	89.33, -53.01, -3.26
CIE LCh	89, 53.110, 183.522
Yxy	74.8582, 0.2336, 0.3567
Android (android.graphics.Color)	4279827429 (0xFF18FBE5)
YUV	180.6190, 23.8518, -137.3549
Hunter-Lab	86.5206, -50.2700, 1.6443

Details

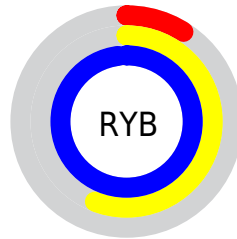
The Yxy color **74.8582, 0.2336, 0.3567** is a light color, and the websafe version is hex **00FFFF**. The color can be described as light washed cyan. A complement of this color would be **21.3742, 0.6100, 0.3210**, and the grayscale version is **45.9535, 0.3127, 0.3290**.

A 20% lighter version of the original color is **82.8776, 0.2453, 0.3288**, and **41.1959, 0.2333, 0.3598** is the 20% darker color. If you saturate the color by 10%, you get **74.5339, 0.2333, 0.3599**, and if you desaturate by 10%, it is **75.4621, 0.2354, 0.3533**.

Distribution



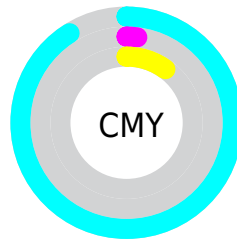
- Red (9%)
- Green (98%)
- Blue (90%)



- Red (9%)
- Yellow (56%)
- Blue (98%)



- Cyan (90%)
- Magenta (0%)
- Yellow (9%)
- Black (2%)




- Cyan (91%)
- Magenta (2%)
- Yellow (10%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 74.8582, 0.2336, 0.3567 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 74.8582, 0.2336, 0.3567 by changing the saturation by 10% instead.


 74.8582, 0.2336,
0.3567

 74.8582, 0.2336,
0.3567

477.4300, 0.2694,
0.3445


 55.4967, 0.2257,
0.3593


 126.1116, 0.2458,
0.3526


 39.7996, 0.2160,
0.3625


 158.7724, 0.2506,
0.3510

 27.3823, 0.2040,
0.3663


 196.6350, 0.2548,
0.3495

 17.8606, 0.1887,
0.3711

 240.0839, 0.2585,
0.3483

 10.8499, 0.1686,
0.3771

289.5034, 0.2617,
0.3472

 5.9660, 0.1415,
0.3848

345.2780, 0.2645,

 2.8244, 0.1033,

0.3462

0.3944

407.7921, 0.2671,
0.3453

■ 1.0408, 0.0000,
0.4252

■ 0.0000, 0.0000,
0.0000

■ 74.8582, 0.2336,
0.3567

■ 74.8582, 0.2336,
0.3567


■ 74.5339, 0.2333,
0.3599

■ 75.4621, 0.2354,
0.3533


■ 76.4128, 0.2390,
0.3500

■ 77.7632, 0.2447,
0.3466


■ 79.5556, 0.2522,
0.3433

 81.8266, 0.2616,
0.3401

 84.6093, 0.2725,
0.3370

 87.9336, 0.2848,
0.3342

 91.8272, 0.2981,
0.3315

 96.3158, 0.3122,
0.3291

Harmonies

Analogous

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



74.8582, 0.2844, 0.4170



74.8582, 0.2336, 0.3567



74.8582, 0.2052, 0.2937

Triad

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



74.8582, 0.2336, 0.3567



74.8582, 0.2704, 0.2357



74.8582, 0.4350, 0.3929

Complementary

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



74.8582, 0.2336, 0.3567



21.3742, 0.6100, 0.3210

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.



74.8582, 0.4335, 0.3450



74.8582, 0.2336, 0.3567



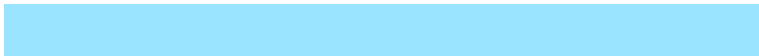
74.8582, 0.3325, 0.2595

Square

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



74.8582, 0.2336, 0.3567



74.8582, 0.2249, 0.2315



74.8582, 0.3946, 0.2981



74.8582, 0.4015, 0.4316

Rectangle

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



74.8582, 0.2336, 0.3567



74.8582, 0.2006, 0.2620



74.8582, 0.3946, 0.2981



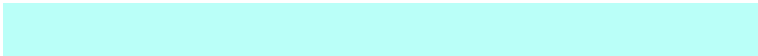
74.8582, 0.4388, 0.3774

Sweetspot

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



74.8610, 0.2336, 0.3567



88.7745, 0.2765, 0.3361



69.6765, 0.3038, 0.5907



18.7636, 0.2724, 0.3371



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.



74.8610, 0.2336, 0.3567



77.2458, 0.2333, 0.3599



32.4070, 0.1916, 0.2041



19.5778, 0.2993, 0.3313



39.1824, 0.2332, 0.3593



3.6372, 0.2320, 0.3553

Inverse Universe

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



21.3742, 0.6100, 0.3210



21.3292, 0.6315, 0.3252



32.8258, 0.5506, 0.3922



17.2526, 0.3279, 0.3267



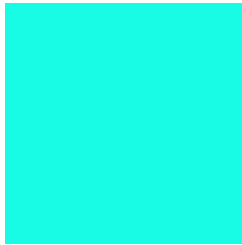
10.8253, 0.6291, 0.3239



1.0115, 0.6073, 0.3119

Previews

White Background



This preview shows how the Yxy color 74.8582, 0.2336, 0.3567 looks on a white background.

Color Contrast Check

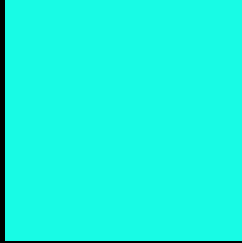
Large Text (above 18pt) WCAG AA × Fail

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 74.8582, 0.2336, 0.3567 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

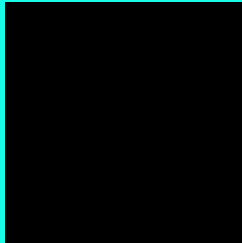
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

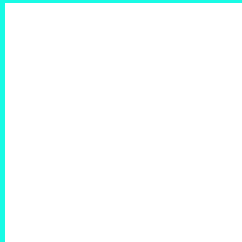
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 74.8582, 0.2336, 0.3567

Background



This preview shows how black text looks on a background with the Yxy color 74.8582, 0.2336, 0.3567.

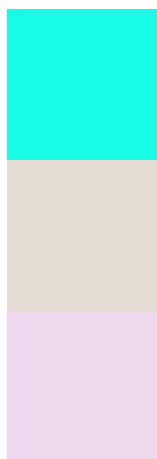


This preview shows how white text looks on a background with the Yxy color 74.8582, 0.2336, 0.3567.

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

74.8457, 0.2336, 0.3567

Protanopia

73.1244, 0.3245, 0.3387

Deuteranopia

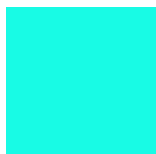
73.2307, 0.3137, 0.3073



Tritanopia

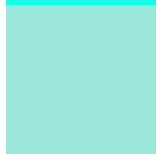
74.4457, 0.2457, 0.3114

Trichromacy



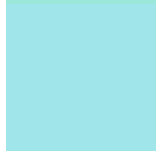
Original Color

74.8457, 0.2336, 0.3567



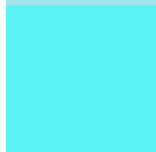
Protanomaly

69.7437, 0.2729, 0.3458



Deuteranomaly

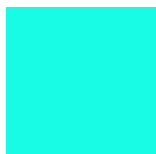
69.4527, 0.2668, 0.3230



Tritanomaly

73.6823, 0.2370, 0.3264

Monochromacy



Original Color

74.8457, 0.2336, 0.3567



Achromatopsia

46.2077, 0.3127, 0.3290



Achromatomaly

52.5049, 0.2626, 0.3398

CSS Examples

Text

The CSS property to change the color of the text to Yxy 74.8582, 0.2336, 0.3567 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(24, 251, 229)` looks like.

```
.text, #text, p{  
    color:rgb(24, 251, 229)  
}
```

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(24, 251, 229) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(24, 251, 229) }
```

Border

The CSS property to change the border of an element to Yxy 74.8582, 0.2336, 0.3567 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(24, 251, 229) }
```

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

```
.border{ border-color:rgb(24, 251, 229) }
```

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

Here you see how a box with a 4 pixel `rgb(24, 251, 229)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(24, 251, 229); -webkit-box-  
shadow:4px 4px 4px 4px rgb(24, 251, 229);  
box-shadow:4px 4px 4px 4px rgb(24, 251,  
229) }
```


Background

The CSS property to change the background color of an element to Yxy 74.8582, 0.2336, 0.3567 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(24, 251, 229) }
```

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

```
.background{ background-color: rgb(24, 251,  
229) }
```

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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