

Converting Colors

$Y_{xy}(72.8122, 0.2453, 0.3170)$

Have a look what the booklet for
Yxy(72.8122, 0.2453, 0.3170)
contains.

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Color

Yxy(72.9325, 0.2452, 0.3170)

Conversions

Conversions Part 1

Format	Color
Hex	7DEFF9
RGB	125, 239, 249
RGB Percent	49%, 94%, 98%
CMY	0.5101, 0.0627, 0.0235
CMYK	0.50, 0.04, 0.00, 0.02
HSL	185°, 91%, 73%
HSV	185°, 50%, 98%
XYZ	56.4134, 72.9325, 100.7251
YIQ	206.0540, -71.1540, -21.0580

Conversions

Conversions Part 2

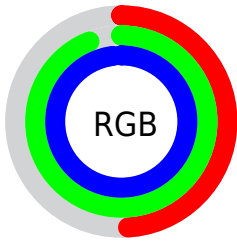
Format	Color
R _Y B	125, 184, 249
Decimal	8253433
CIE Lab	88.42, -29.87, -14.85
CIE LCh	88, 33.358, 206.430
Yxy	72.9325, 0.2452, 0.3170
Android (android.graphics.Color)	4286443513 (0xFF7DEFF9)
YUV	206.0540, 21.1724, -71.0844
Hunter-Lab	85.4005, -31.5384, -10.1488

Details

The Yxy color **72.9325, 0.2452, 0.3170** is a light color, and the websafe version is hex **99FFFF**. A complement of this color would be **38.9200, 0.4490, 0.3399**, and the grayscale version is **61.6433, 0.3127, 0.3290**.

A 20% lighter version of the original color is **89.0543, 0.2726, 0.3289**, and **38.6779, 0.2301, 0.3131** is the 20% darker color. If you saturate the color by 10%, you get **70.1249, 0.2359, 0.3142**, and if you desaturate by 10%, it is **76.2282, 0.2563, 0.3197**.

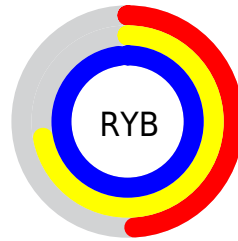
Distribution



Red (49%)

Green (94%)

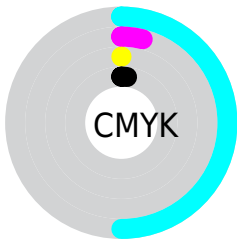
Blue (98%)



Red (49%)

Yellow (72%)

Blue (98%)

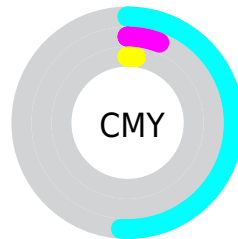


Cyan (50%)

Magenta (4%)

Yellow (0%)

Black (2%)



Cyan (51%)


Magenta (6%)


Yellow (2%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 72.9325, 0.2452, 0.3170 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 72.9325, 0.2452, 0.3170 by changing the saturation by 10% instead.


 72.9325, 0.2452,
0.3170

 72.9325, 0.2452,
0.3170

470.7808, 0.2756,
0.3234


 53.9208, 0.2385,
0.3154


 123.3814, 0.2556,
0.3194

 38.5383, 0.2303,
0.3133


 155.5873, 0.2597,
0.3202

 26.4008, 0.2201,
0.3104


 192.9601, 0.2632,
0.3210

 17.1237, 0.2071,
0.3066

235.8842, 0.2663,
0.3216

 10.3227, 0.1900,
0.3009

284.7439, 0.2691,
0.3221

 5.6135, 0.1669,
0.2920

339.9236, 0.2715,

 2.6115, 0.1340,

0.3226

0.2769

401.8078, 0.2737,
0.3230

■ 0.9324, 0.0434,
0.2589

■ 0.0000, 0.0000,
0.0000

■ 72.9325, 0.2452,
0.3170

■ 72.9325, 0.2452,
0.3170

■ 70.1249, 0.2359,
0.3142

■ 76.2282, 0.2563,
0.3197

■ 67.7612, 0.2285,
0.3115


■ 80.0358, 0.2689,
0.3223


■ 65.8032, 0.2231,
0.3087

■ 84.3874, 0.2827,
0.3247

■ 64.2021, 0.2196,
0.3059

■ 89.3100, 0.2975,
0.3270


 62.8788, 0.2176,
0.3032

 94.8288, 0.3130,
0.3290

 62.8573, 0.2176,
0.3032

 97.1172, 0.3164,
0.3310

 98.3760, 0.3163,
0.3329

 99.6195, 0.3162,
0.3347

Harmonies

Analogous

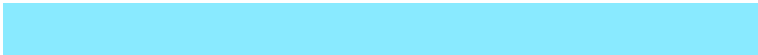
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



72.9325, 0.2689, 0.3563



72.9325, 0.2452, 0.3170



72.9325, 0.2386, 0.2846

Triad

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



72.9325, 0.2452, 0.3170



72.9325, 0.3163, 0.2780



72.9325, 0.3774, 0.3917

Complementary

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



72.9325, 0.2452, 0.3170



38.9200, 0.4490, 0.3399

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.



72.9325, 0.3927, 0.3662



72.9325, 0.2452, 0.3170



72.9325, 0.3563, 0.3026

Square

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



72.9325, 0.2452, 0.3170



72.9325, 0.2776, 0.2650



72.9325, 0.3850, 0.3340



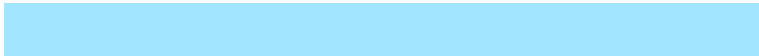
72.9325, 0.3450, 0.4014

Rectangle

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



72.9325, 0.2452, 0.3170



72.9325, 0.2443, 0.2709



72.9325, 0.3850, 0.3340



72.9325, 0.3848, 0.3845

Sweetspot

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



72.9353, 0.2452, 0.3170



91.5052, 0.2897, 0.3258



73.8040, 0.3016, 0.4779



19.3546, 0.2866, 0.3253



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.



72.9353, 0.2452, 0.3170



73.9593, 0.2357, 0.3142



43.3090, 0.2302, 0.2397



19.3555, 0.2980, 0.3270



33.7462, 0.2177, 0.3036



3.1942, 0.2186, 0.3069

Inverse Universe

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



41.0198, 0.3273, 0.2167



37.2150, 0.3308, 0.1982



60.7527, 0.4131, 0.4026



17.4991, 0.3150, 0.3075



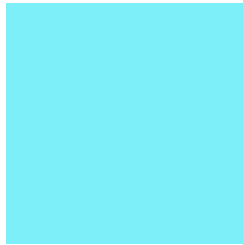
13.8176, 0.3423, 0.1659



1.2867, 0.3394, 0.1643

Previews

White Background



This preview shows how the Yxy color 72.9325, 0.2452, 0.3170 looks on a white background.

Color Contrast Check

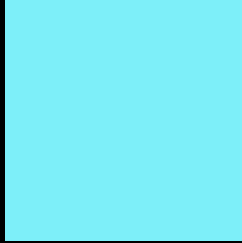
Large Text (above 18pt) WCAG AA × Fail

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 72.9325, 0.2452, 0.3170 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 72.9325, 0.2452, 0.3170

Background



This preview shows how black text looks on a background with the Yxy color 72.9325, 0.2452, 0.3170.

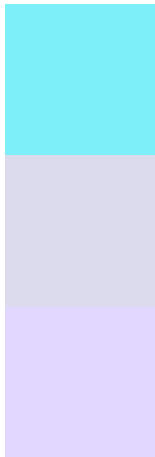


This preview shows how white text looks on a background with the Yxy color 72.9325, 0.2452, 0.3170.

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

72.9325, 0.2452, 0.3170

Protanopia

71.9931, 0.3017, 0.3097

Deuteranopia

71.9254, 0.2951, 0.2886



Tritanopia

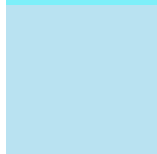
72.9393, 0.2462, 0.3079

Trichromacy



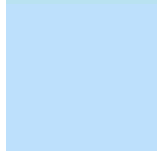
Original Color

72.9325, 0.2452, 0.3170



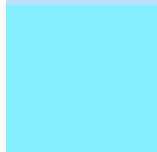
Protanomaly

71.0579, 0.2770, 0.3120



Deuteranomaly

71.1584, 0.2731, 0.2980



Tritanomaly

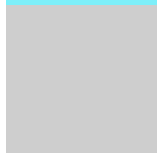
73.0662, 0.2457, 0.3113

Monochromacy



Original Color

72.9325, 0.2452, 0.3170



Achromatopsia

61.7207, 0.3127, 0.3290



Achromatomaly

64.7638, 0.2822, 0.3242

CSS Examples

Text

The CSS property to change the color of the text to Yxy 72.9325, 0.2452, 0.3170 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(125, 239, 249)` looks like.

```
.text, #text, p{  
    color:rgb(125, 239, 249)  
}
```

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(125, 239, 249) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(125, 239, 249) }
```

Border

The CSS property to change the border of an element to Yxy 72.9325, 0.2452, 0.3170 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(125, 239, 249) }
```

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

```
.border{ border-color:rgb(125, 239, 249) }
```

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

Here you see how a box with a 4 pixel `rgb(125, 239, 249)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(125, 239, 249); -webkit-box-  
shadow:4px 4px 4px 4px rgb(125, 239, 249);  
box-shadow:4px 4px 4px 4px rgb(125, 239,  
249) }
```


Background

The CSS property to change the background color of an element to Yxy 72.9325, 0.2452, 0.3170 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(125, 239, 249) }
```

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

```
.background{ background-color: rgb(125,  
239, 249) }
```

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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