

Converting Colors

$Y_{xy}(75.1940, 0.2752, 0.3362)$

Have a look what the booklet for
Yxy(75.1940, 0.2752, 0.3362)
contains.

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Color

Yxy(74.9958, 0.2754, 0.3358)

Conversions

Conversions Part 1

Format	Color
Hex	ABEDE7
RGB	171, 237, 231
RGB Percent	67%, 93%, 91%
CMY	0.3293, 0.0706, 0.0941
CMYK	0.28, 0.00, 0.03, 0.07
HSL	175°, 65%, 80%
HSV	175°, 28%, 93%
XYZ	61.5064, 74.9958, 86.8325
YIQ	216.5820, -37.4100, -15.8580

Conversions

Conversions Part 2

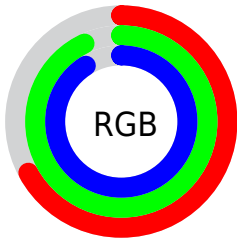
Format	Color
RYB	171, 206, 237
Decimal	11267559
CIELab	89.39, -21.79, -3.76
CIELCh	89, 22.116, 189.789
Yxy	74.9958, 0.2754, 0.3358
Android (android.graphics.Color)	4289457639 (0xFFABE7E7)
YUV	216.5820, 7.1081, -39.9754
Hunter-Lab	86.6001, -24.7734, 1.1710

Details

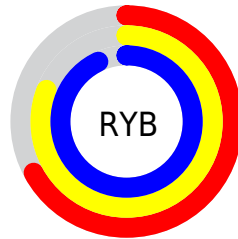
The Yxy color **74.9958, 0.2754, 0.3358** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **50.3168, 0.3680, 0.3225**, and the grayscale version is **69.0621, 0.3127, 0.3290**.

A 20% lighter version of the original color is **95.2340, 0.2964, 0.3290**, and **39.8559, 0.2668, 0.3380** is the 20% darker color. If you saturate the color by 10%, you get **72.4501, 0.2640, 0.3386**, and if you desaturate by 10%, it is **78.0263, 0.2880, 0.3332**.

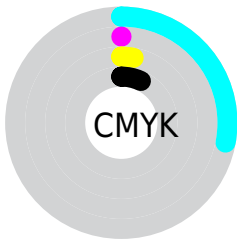
Distribution



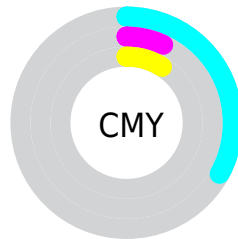
- Red (67%)
- Green (93%)
- Blue (91%)



- Red (67%)
- Yellow (81%)
- Blue (93%)



- Cyan (28%)
- Magenta (0%)
- Yellow (3%)
- Black (7%)





- Cyan (33%)
- Magenta (7%)
- Yellow (9%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 74.9958, 0.2754, 0.3358 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 74.9958, 0.2754, 0.3358 by changing the saturation by 10% instead.


 74.9958, 0.2754,
0.3358

 74.9958, 0.2754,
0.3358

477.9031, 0.2924,
0.3329

 55.6095, 0.2716,
0.3364


 126.3064, 0.2813,
0.3348

 39.8899, 0.2668,
0.3372


158.9995, 0.2836,
0.3344

 27.4527, 0.2609,
0.3381


196.8969, 0.2855,
0.3341

 17.9135, 0.2533,
0.3392

240.3831, 0.2873,
0.3338

 10.8879, 0.2429,
0.3406

289.8424, 0.2888,
0.3335

 5.9915, 0.2284,
0.3424

345.6592, 0.2902,

 2.8399, 0.2063,

0.3333

0.3447

408.2180, 0.2914,
0.3331

1.0487, 0.1537,
0.3535

0.0000, 0.0000,
0.0000

74.9958, 0.2754,
0.3358

74.9958, 0.2754,
0.3358

72.4501, 0.2640,
0.3386

78.0263, 0.2880,
0.3332

70.3545, 0.2542,
0.3416

81.5560, 0.3016,
0.3308

68.6841, 0.2461,
0.3446


85.6100, 0.3158,
0.3285


67.4081, 0.2400,
0.3477


88.0971, 0.3231,
0.3265


 66.4913, 0.2357,
0.3509

 88.2257, 0.3218,
0.3244


 65.8921, 0.2334,
0.3540

 88.3559, 0.3204,
0.3223

 65.5543, 0.2328,
0.3571

 88.4876, 0.3191,
0.3202

 65.4971, 0.2327,
0.3577

 88.6209, 0.3177,
0.3181

 88.7557, 0.3164,
0.3161

Harmonies

Analogous

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



74.9958, 0.2968, 0.3593



74.9958, 0.2754, 0.3358



74.9958, 0.2640, 0.3114

Triad

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



74.9958, 0.2754, 0.3358



74.9958, 0.3007, 0.2885



74.9958, 0.3626, 0.3628

Complementary

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



74.9958, 0.2754, 0.3358



50.3168, 0.3680, 0.3225

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.



74.9958, 0.3641, 0.3431



74.9958, 0.2754, 0.3358



74.9958, 0.3275, 0.3013

Square

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



74.9958, 0.2754, 0.3358



74.9958, 0.2781, 0.2854



74.9958, 0.3510, 0.3209



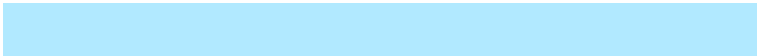
74.9958, 0.3473, 0.3746

Rectangle

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



74.9958, 0.2754, 0.3358



74.9958, 0.2632, 0.2983



74.9958, 0.3510, 0.3209



74.9958, 0.3647, 0.3569

Sweetspot

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



74.9988, 0.2754, 0.3358



96.2152, 0.3013, 0.3308



72.9304, 0.3132, 0.4085



20.4513, 0.2992, 0.3312



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.



74.9988, 0.2754, 0.3358



86.8978, 0.2692, 0.3373



61.1713, 0.2691, 0.2977



17.0969, 0.2993, 0.3311



35.7694, 0.2326, 0.3572



2.8157, 0.2314, 0.3529

Inverse Universe

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



50.3168, 0.3680, 0.3225



53.5639, 0.3829, 0.3212



61.0682, 0.3657, 0.3583



15.0763, 0.3279, 0.3269



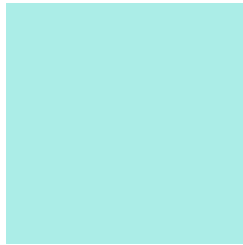
9.8686, 0.6297, 0.3242



0.7826, 0.6054, 0.3109

Previews

White Background



This preview shows how the Yxy color 74.9958, 0.2754, 0.3358 looks on a white background.

Color Contrast Check

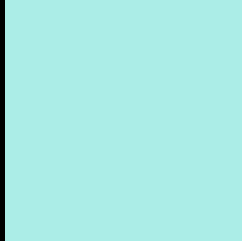
Large Text (above 18pt) WCAG AA × Fail

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 74.9958, 0.2754, 0.3358 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

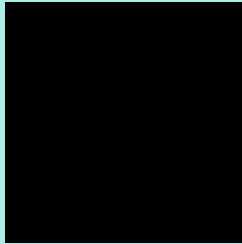
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

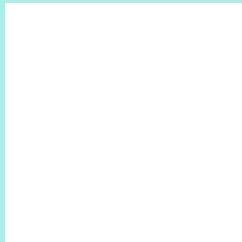
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 74.9958, 0.2754, 0.3358

Background



This preview shows how black text looks on a background with the Yxy color 74.9958, 0.2754, 0.3358.

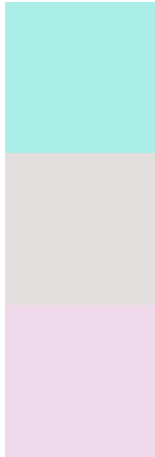


This preview shows how white text looks on a background with the Yxy color 74.9958, 0.2754, 0.3358.

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

74.9958, 0.2754, 0.3358

Protanopia

74.5970, 0.3162, 0.3290

Deuteranopia

74.1491, 0.3172, 0.3105



Tritanopia

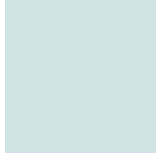
75.1040, 0.2669, 0.3088

Trichromacy



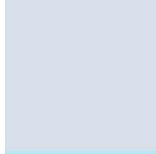
Original Color

74.9958, 0.2754, 0.3358



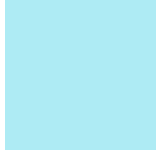
Protanomaly

74.2432, 0.2998, 0.3312



Deuteranomaly

73.6989, 0.3002, 0.3182



Tritanomaly

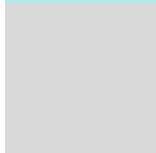
74.9470, 0.2700, 0.3187

Monochromacy



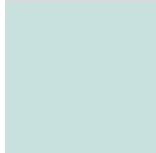
Original Color

74.9958, 0.2754, 0.3358



Achromatopsia

69.3872, 0.3127, 0.3290



Achromatomaly

70.8646, 0.2975, 0.3312

CSS Examples

Text

The CSS property to change the color of the text to Yxy 74.9958, 0.2754, 0.3358 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(171, 237, 231)` looks like.

```
.text, #text, p{  
    color:rgb(171, 237, 231)  
}
```

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(171, 237, 231) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(171, 237, 231) }
```

Border

The CSS property to change the border of an element to Yxy 74.9958, 0.2754, 0.3358 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(171, 237, 231) }
```

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

```
.border{ border-color:rgb(171, 237, 231) }
```

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

Here you see how a box with a 4 pixel `rgb(171, 237, 231)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(171, 237, 231); -webkit-box-  
shadow:4px 4px 4px 4px rgb(171, 237, 231);  
box-shadow:4px 4px 4px 4px rgb(171, 237,  
231) }
```


Background

The CSS property to change the background color of an element to Yxy 74.9958, 0.2754, 0.3358 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(171, 237, 231) }
```

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

```
.background{ background-color: rgb(171,  
237, 231) }
```

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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