

Converting Colors

$Yxy(67.1677, 0.2731, 0.3368)$

Have a look what the booklet for
Yxy(67.1677, 0.2731, 0.3368)
contains.

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Color

Yxy(67.4764, 0.2734, 0.3374)

Conversions

Conversions Part 1

Format	Color
Hex	9FE3DC
RGB	159, 227, 220
RGB Percent	62%, 89%, 86%
CMY	0.3766, 0.1097, 0.1373
CMYK	0.30, 0.00, 0.03, 0.11
HSL	174°, 55%, 76%
HSV	174°, 30%, 89%
XYZ	54.6771, 67.4764, 77.8358
YIQ	205.8700, -38.2810, -16.5930

Conversions

Conversions Part 2

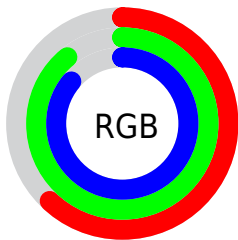
Format	Color
RYB	159, 195, 227
Decimal	10478556
CIELab	85.74, -22.71, -3.41
CIELCh	86, 22.966, 188.533
Yxy	67.4764, 0.2734, 0.3374
Android (android.graphics.Color)	4288668636 (0xFF9FE3DC)
YUV	205.8700, 6.9661, -41.1050
Hunter-Lab	82.1440, -24.9380, 1.3204

Details

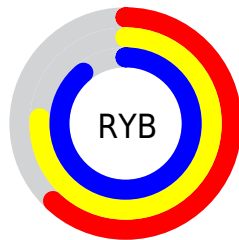
The Yxy color **67.4764, 0.2734, 0.3374** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **43.8701, 0.3728, 0.3210**, and the grayscale version is **61.6028, 0.3127, 0.3290**.

A 20% lighter version of the original color is **93.1871, 0.2889, 0.3289**, and **34.8457, 0.2641, 0.3386** is the 20% darker color. If you saturate the color by 10%, you get **65.2446, 0.2625, 0.3406**, and if you desaturate by 10%, it is **70.1415, 0.2856, 0.3344**.

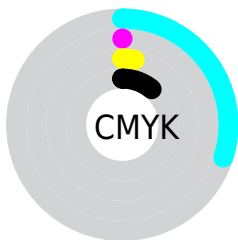
Distribution



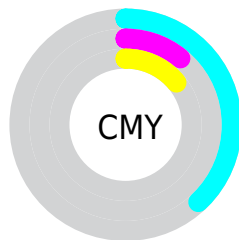
- Red (62%)
- Green (89%)
- Blue (86%)



- Red (62%)
- Yellow (76%)
- Blue (89%)



- Cyan (30%)
- Magenta (0%)
- Yellow (3%)
- Black (11%)




- Cyan (38%)
- Magenta (11%)
- Yellow (14%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 67.4764, 0.2734, 0.3374 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 67.4764, 0.2734, 0.3374 by changing the saturation by 10% instead.


 67.4764, 0.2734,
0.3374

 67.4764, 0.2734,
0.3374


451.6386, 0.2917,
0.3337

 49.4719, 0.2692,
0.3382

 115.6028, 0.2798,
0.3361

 34.9940, 0.2640,
0.3392


 146.4934, 0.2822,
0.3356

 23.6582, 0.2574,
0.3404

182.4482, 0.2844,
0.3352

 15.0803, 0.2487,
0.3420

223.8516, 0.2862,
0.3348

 8.8757, 0.2369,
0.3440

271.0880, 0.2878,
0.3345

 4.6602, 0.2198,
0.3466

324.5416, 0.2893,

 2.0493, 0.1930,

0.3342

384.5971, 0.2906,
0.3339

0.3501

0.6359, 0.0309,
0.3934

0.0000, 0.0000,
0.0000

67.4764, 0.2734,
0.3374

67.4764, 0.2734,
0.3374

65.2446, 0.2625,
0.3406

70.1415, 0.2856,
0.3344

63.4147, 0.2531,
0.3440


73.2534, 0.2988,
0.3316


61.9636, 0.2455,
0.3475


76.8348, 0.3127,
0.3290


60.8630, 0.2398,
0.3511


80.9048, 0.3271,
0.3267

 60.0800, 0.2361,
0.3547


 82.0158, 0.3292,
0.3244

 59.5761, 0.2342,
0.3583


 82.1499, 0.3277,
0.3221

 59.2840, 0.2338,
0.3618

 82.2857, 0.3261,
0.3198

 59.2834, 0.2338,
0.3618

 82.4234, 0.3245,
0.3175

 82.5629, 0.3230,
0.3152

Harmonies

Analogous

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



67.4764, 0.2967, 0.3626



67.4764, 0.2734, 0.3374



67.4764, 0.2607, 0.3110

Triad

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



67.4764, 0.2734, 0.3374



67.4764, 0.2986, 0.2853



67.4764, 0.3667, 0.3645

Complementary

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



67.4764, 0.2734, 0.3374



43.8701, 0.3728, 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.



67.4764, 0.3677, 0.3430



67.4764, 0.2734, 0.3374



67.4764, 0.3273, 0.2986

Square

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



67.4764, 0.2734, 0.3374



67.4764, 0.2747, 0.2824



67.4764, 0.3530, 0.3192



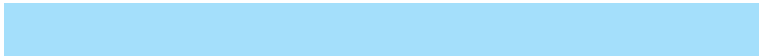
67.4764, 0.3508, 0.3778

Rectangle

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



67.4764, 0.2734, 0.3374



67.4764, 0.2595, 0.2967



67.4764, 0.3530, 0.3192



67.4764, 0.3689, 0.3579

Sweetspot

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



67.4791, 0.2734, 0.3374



95.7523, 0.3001, 0.3313



65.6526, 0.3139, 0.4152



20.3582, 0.2981, 0.3317



0.0000, 0.0000, 0.0000



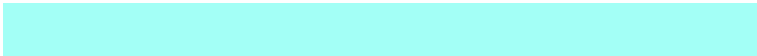
21.4041, 0.3127, 0.3290

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



67.4791, 0.2734, 0.3374



85.9513, 0.2664, 0.3394



54.6537, 0.2660, 0.2965



16.3094, 0.2995, 0.3314



34.5797, 0.2337, 0.3613



2.5628, 0.2322, 0.3561

Inverse Universe

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



43.8701, 0.3728, 0.3210



50.5307, 0.3910, 0.3192



53.5538, 0.3710, 0.3593



14.3921, 0.3276, 0.3266



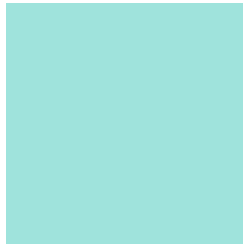
9.5694, 0.6276, 0.3231



0.7154, 0.5995, 0.3076

Previews

White Background



This preview shows how the Yxy color 67.4764, 0.2734, 0.3374 looks on a white background.

Color Contrast Check

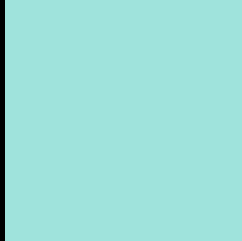
Large Text (above 18pt) WCAG AA × Fail

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 67.4764, 0.2734, 0.3374 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

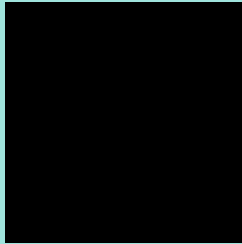
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

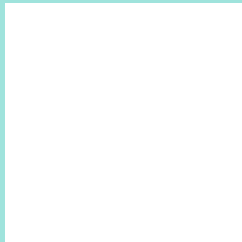
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 67.4764, 0.2734, 0.3374

Background



This preview shows how black text looks on a background with the Yxy color 67.4764, 0.2734, 0.3374.

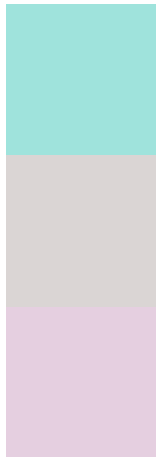


This preview shows how white text looks on a background with the Yxy color 67.4764, 0.2734, 0.3374.

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

67.4764, 0.2734, 0.3374

Protanopia

67.2474, 0.3171, 0.3301

Deuteranopia

66.6655, 0.3173, 0.3107



Tritanopia

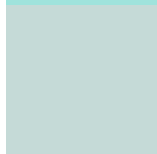
67.6146, 0.2641, 0.3079

Trichromacy



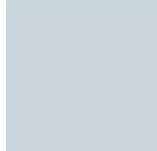
Original Color

67.4764, 0.2734, 0.3374



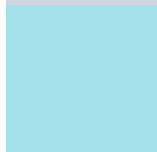
Protanomaly

66.9194, 0.2999, 0.3324



Deuteranomaly

66.2582, 0.2996, 0.3188



Tritanomaly

67.4723, 0.2673, 0.3182

Monochromacy



Original Color

67.4764, 0.2734, 0.3374



Achromatopsia

61.7207, 0.3127, 0.3290



Achromatomaly

63.6151, 0.2968, 0.3325

CSS Examples

Text

The CSS property to change the color of the text to Yxy 67.4764, 0.2734, 0.3374 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(159, 227, 220)` looks like.

```
.text, #text, p{  
    color:rgb(159, 227, 220)  
}
```

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(159, 227, 220) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(159, 227, 220) }
```

Border

The CSS property to change the border of an element to Yxy 67.4764, 0.2734, 0.3374 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(159, 227, 220) }
```

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

```
.border{ border-color:rgb(159, 227, 220) }
```

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

Here you see how a box with a 4 pixel `rgb(159, 227, 220)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(159, 227, 220); -webkit-box-shadow:4px 4px 4px 4px rgb(159, 227, 220); box-shadow:4px 4px 4px 4px rgb(159, 227, 220) }
```


Background

The CSS property to change the background color of an element to Yxy 67.4764, 0.2734, 0.3374 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(159, 227, 220) }
```

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

```
.background{ background-color: rgb(159,  
227, 220) }
```

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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