

Converting Colors

$Y_{xy}(75.7564, 0.2864, 0.3743)$

Have a look what the booklet for
Yxy(75.7564, 0.2864, 0.3743)
contains.

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Color

Yxy(75.7564, 0.2864, 0.3743)

Conversions

Conversions Part 1

| Format | Color |
|-------------|------------------------------|
| Hex | A4F2CC |
| RGB | 164, 242, 204 |
| RGB Percent | 64%, 95%, 80% |
| CMY | 0.3566, 0.0510, 0.2001 |
| CMYK | 0.32, 0.00, 0.16, 0.05 |
| HSL | 151°, 75%, 80% |
| HSV | 151°, 32%, 95% |
| XYZ | 57.9659, 75.7564, 68.6726 |
| YIQ | 214.3460, -34.2900, -28.3540 |

Conversions

Conversions Part 2

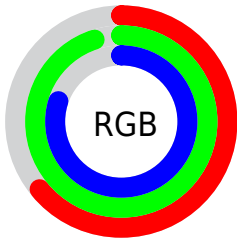
| Format | Color |
|-------------------------------------|--------------------------------|
| RYB | 164, 216, 242 |
| Decimal | 10810060 |
| CIELab | 89.75, -31.79, 10.80 |
| CIELCh | 90, 33.573, 161.226 |
| Yxy | 75.7564, 0.2864, 0.3743 |
| Android (android.graphics.Color) | 4289000140 (0xFFA4F2CC) |
| YUV | 214.3460, -5.1006, -44.1534 |
| Hunter-Lab | 87.0382, -33.4389, 14.1473 |

Details

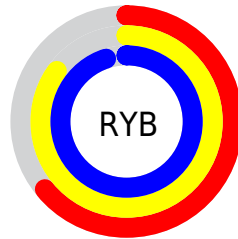
The Yxy color **75.7564, 0.2864, 0.3743** is a light color, and the websafe version is hex **99FFCC**. A complement of this color would be **49.7159, 0.3509, 0.2880**, and the grayscale version is **67.5503, 0.3127, 0.3290**.

A 20% lighter version of the original color is **94.1122, 0.2923, 0.3289**, and **40.5710, 0.2795, 0.3861** is the 20% darker color. If you saturate the color by 10%, you get **72.8788, 0.2796, 0.3913**, and if you desaturate by 10%, it is **79.1731, 0.2941, 0.3586**.

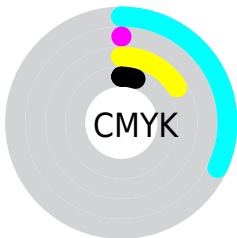
Distribution



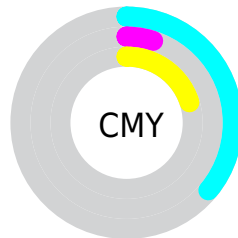
- Red (64%)
- Green (95%)
- Blue (80%)



- Red (64%)
- Yellow (85%)
- Blue (95%)



- Cyan (32%)
- Magenta (0%)
- Yellow (16%)
- Black (5%)




- Cyan (36%)
- Magenta (5%)
- Yellow (20%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 75.7564, 0.2864, 0.3743 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 75.7564, 0.2864, 0.3743 by changing the saturation by 10% instead.


 75.7564, 0.2864,
0.3743


 75.7564, 0.2864,
0.3743


480.5134, 0.2988,
0.3528

 56.2328, 0.2835,
0.3794


 127.3825, 0.2908,
0.3667

 40.3896, 0.2799,
0.3857

 160.2538, 0.2924,
0.3638

 27.8424, 0.2753,
0.3938


198.3431, 0.2939,
0.3613

 18.2069, 0.2691,
0.4046

242.0347, 0.2951,
0.3591

 11.0986, 0.2607,
0.4198

291.7132, 0.2962,
0.3573

 6.1332, 0.2481,
0.4423


347.7629, 0.2972,

 2.9263, 0.2278,


0.3556

0.4794


410.5682, 0.2981,
0.3541


 1.0934, 0.1416,
0.6204


 0.0000, 0.0000,
0.0000


 75.7564, 0.2864,
0.3743


 75.7564, 0.2864,
0.3743


 72.8788, 0.2796,
0.3913


 79.1731, 0.2941,
0.3586

 70.5022, 0.2740,
0.4095

 83.1461, 0.3023,
0.3444

 68.5979, 0.2700,
0.4285

 87.7033, 0.3108,
0.3316

 67.1308, 0.2678,
0.4478

 91.7406, 0.3156,
0.3202

■ 66.0600, 0.2677,
0.4671

■ 91.9830, 0.3133,
0.3165

■ 65.3369, 0.2695,
0.4857

■ 64.9563, 0.2721,
0.4994

Harmonies

Analogous

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



75.7564, 0.3255, 0.3976



75.7564, 0.2864, 0.3743



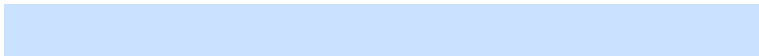
75.7564, 0.2556, 0.3368

Triad

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



75.7564, 0.2864, 0.3743



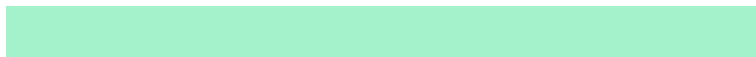
75.7564, 0.2622, 0.2643



75.7564, 0.3912, 0.3501

Complementary

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



75.7564, 0.2864, 0.3743



49.7159, 0.3509, 0.2880

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.



75.7564, 0.3723, 0.3177



75.7564, 0.2864, 0.3743



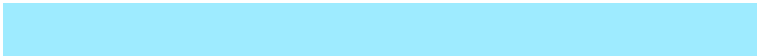
75.7564, 0.2959, 0.2701

Square

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



75.7564, 0.2864, 0.3743



75.7564, 0.2425, 0.2741



75.7564, 0.3365, 0.2892



75.7564, 0.3873, 0.3799

Rectangle

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



75.7564, 0.2864, 0.3743



75.7564, 0.2433, 0.3112



75.7564, 0.3365, 0.2892



75.7564, 0.3873, 0.3393

Sweetspot

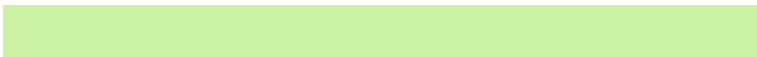
The Sweet Spot groups the original color and five complimentary colors.



75.7595, 0.2864, 0.3743



94.7048, 0.3041, 0.3415



78.8856, 0.3338, 0.4173



20.1230, 0.3029, 0.3434



0.0000, 0.0000, 0.0000



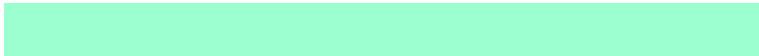
21.4041, 0.3127, 0.3290

Same Dimension

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



75.7595, 0.2864, 0.3743



83.0225, 0.2816, 0.3859



77.8121, 0.2667, 0.3289



17.7915, 0.3046, 0.3408



34.9235, 0.2713, 0.4966



2.9254, 0.2647, 0.4729

Inverse Universe

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



49.7159, 0.3509, 0.2880



49.2494, 0.3623, 0.2790



48.1299, 0.3872, 0.3292



15.8874, 0.3217, 0.3175



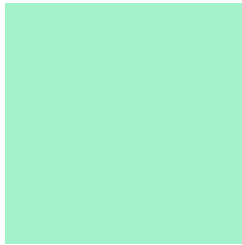
10.8721, 0.5010, 0.2533



0.9245, 0.4709, 0.2368

Previews

White Background



This preview shows how the Yxy color 75.7564, 0.2864, 0.3743 looks on a white background.

Color Contrast Check

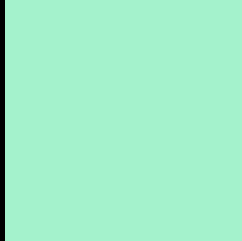
Large Text (above 18pt) WCAG AA × Fail

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 75.7564, 0.2864, 0.3743 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

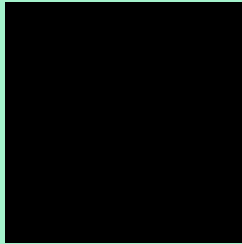
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 75.7564, 0.2864, 0.3743

Background



This preview shows how black text looks on a background with the Yxy color 75.7564, 0.2864, 0.3743.

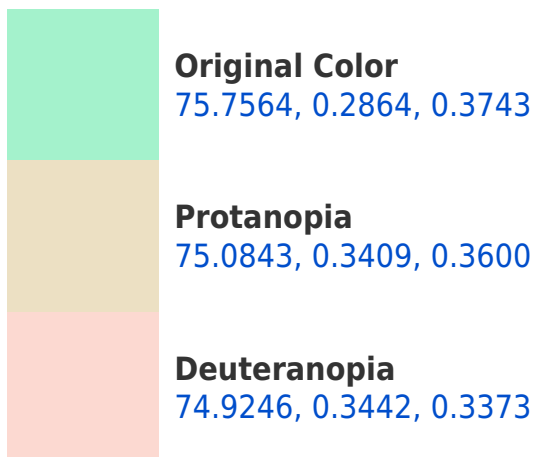


This preview shows how white text looks on a background with the Yxy color 75.7564, 0.2864, 0.3743.

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





Tritanopia

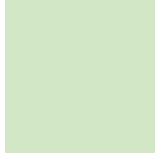
75.6864, 0.2655, 0.3078

Trichromacy



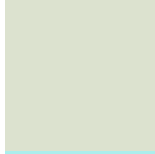
Original Color

75.7564, 0.2864, 0.3743



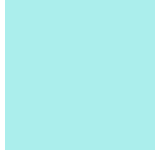
Protanomaly

74.9307, 0.3192, 0.3660



Deuteranomaly

74.1134, 0.3209, 0.3499



Tritanomaly

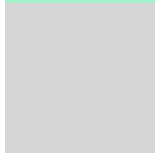
75.8631, 0.2729, 0.3312

Monochromacy



Original Color

75.7564, 0.2864, 0.3743



Achromatopsia

67.2443, 0.3127, 0.3290



Achromatomaly

69.7002, 0.3023, 0.3451

CSS Examples

Text

The CSS property to change the color of the text to Yxy 75.7564, 0.2864, 0.3743 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(164, 242, 204)` looks like.

```
.text, #text, p{  
    color:rgb(164, 242, 204)  
}
```

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(164, 242, 204) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(164, 242, 204) }
```

Border

The CSS property to change the border of an element to Yxy 75.7564, 0.2864, 0.3743 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(164, 242, 204) }
```

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

```
.border{ border-color:rgb(164, 242, 204) }
```

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

Here you see how a box with a 4 pixel rgb(164, 242, 204) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(164, 242, 204); -webkit-box-  
shadow:4px 4px 4px 4px rgb(164, 242, 204);  
box-shadow:4px 4px 4px 4px rgb(164, 242,  
204) }
```


Background

The CSS property to change the background color of an element to Yxy 75.7564, 0.2864, 0.3743 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(164, 242, 204) }
```

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

```
.background{ background-color: rgb(164,  
242, 204) }
```

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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