

Converting Colors

$Yxy(77.6768, 0.2804, 0.3632)$

Have a look what the booklet for
Yxy(77.6768, 0.2804, 0.3632)
contains.

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Color

Yxy(77.5002, 0.2807, 0.3630)

Conversions

Conversions Part 1

Format	Color
Hex	A4F4D7
RGB	164, 244, 215
RGB Percent	64%, 96%, 84%
CMY	0.3567, 0.0431, 0.1570
CMYK	0.33, 0.00, 0.12, 0.04
HSL	158°, 78%, 80%
HSV	158°, 33%, 96%
XYZ	59.9292, 77.5002, 76.0698
YIQ	216.7740, -38.3710, -25.9790

Conversions

Conversions Part 2

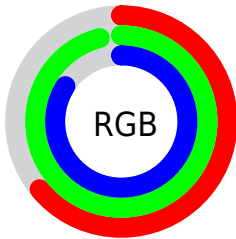
Format	Color
RYB	164, 213, 244
Decimal	10810583
CIELab	90.55, -30.52, 6.24
CIELCh	91, 31.156, 168.440
Yxy	77.5002, 0.2807, 0.3630
Android (android.graphics.Color)	4289000663 (0xFFA4F4D7)
YUV	216.7740, -0.8746, -46.2828
Hunter-Lab	88.0342, -32.5461, 10.3919

Details

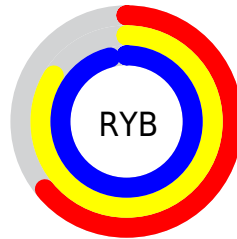
The Yxy color **77.5002, 0.2807, 0.3630** is a light color, and the websafe version is hex **99FFCC**. A complement of this color would be **49.6526, 0.3611, 0.2977**, and the grayscale version is **69.2573, 0.3127, 0.3290**.

A 20% lighter version of the original color is **94.1122, 0.2923, 0.3289**, and **41.3299, 0.2731, 0.3711** is the 20% darker color. If you saturate the color by 10%, you get **74.7077, 0.2727, 0.3754**, and if you desaturate by 10%, it is **80.8217, 0.2898, 0.3515**.

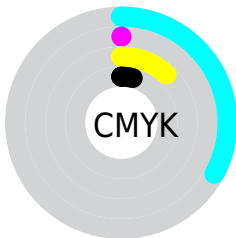
Distribution



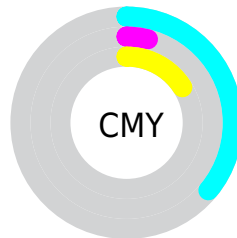
- Red (64%)
- Green (96%)
- Blue (84%)



- Red (64%)
- Yellow (84%)
- Blue (96%)



- Cyan (33%)
- Magenta (0%)
- Yellow (12%)
- Black (4%)



- Cyan (36%)
- Magenta (4%)
- Yellow (16%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 77.5002, 0.2807, 0.3630 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 77.5002, 0.2807, 0.3630 by changing the saturation by 10% instead.

 77.5002, 0.2807,
0.3630


 77.5002, 0.2807,
0.3630


486.4678, 0.2955,
0.3471

 57.6635, 0.2773,
0.3667


 129.8453, 0.2858,
0.3574

 41.5382, 0.2731,
0.3713

 163.1225, 0.2878,
0.3553

 28.7398, 0.2679,
0.3771


201.6487, 0.2896,
0.3534

 18.8841, 0.2610,
0.3848

245.8082, 0.2911,
0.3518

 11.5866, 0.2516,
0.3954

295.9855, 0.2924,
0.3504

 6.4628, 0.2381,
0.4110

352.5649, 0.2935,

 3.1285, 0.2171,

0.3492

0.4359

415.9309, 0.2946,
0.3481

■ 1.1992, 0.1522,
0.4997

■ 0.0610, 0.0000,
1.0000

■ 77.5002, 0.2807,
0.3630

■ 77.5002, 0.2807,
0.3630

■ 74.7077, 0.2727,
0.3754

■ 80.8217, 0.2898,
0.3515

■ 72.4057, 0.2660,
0.3886

■ 84.6895, 0.2996,
0.3410

■ 70.5656, 0.2610,
0.4024

■ 89.1314, 0.3098,
0.3315

■ 69.1517, 0.2580,
0.4166

■ 92.8891, 0.3160,
0.3229

■ 68.1227, 0.2569,
0.4308

■ 93.1815, 0.3132,
0.3185

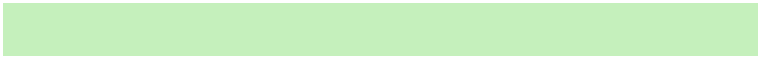
■ 67.4289, 0.2579,
0.4448

■ 67.0821, 0.2597,
0.4548

Harmonies

Analogous

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



77.5002, 0.3158, 0.3885



77.5002, 0.2807, 0.3630



77.5002, 0.2551, 0.3276

Triad

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



77.5002, 0.2807, 0.3630



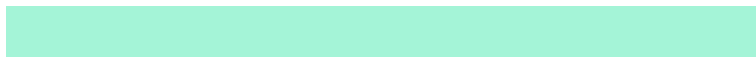
77.5002, 0.2726, 0.2691



77.5002, 0.3861, 0.3560

Complementary

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



77.5002, 0.2807, 0.3630



49.6526, 0.3611, 0.2977

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.



77.5002, 0.3734, 0.3259



77.5002, 0.2807, 0.3630



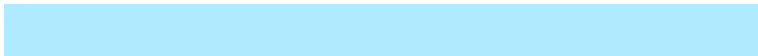
77.5002, 0.3061, 0.2776

Square

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



77.5002, 0.2807, 0.3630



77.5002, 0.2507, 0.2748



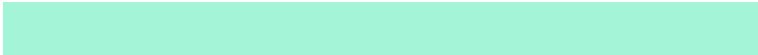
77.5002, 0.3435, 0.2979



77.5002, 0.3776, 0.3815

Rectangle

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



77.5002, 0.2807, 0.3630



77.5002, 0.2462, 0.3051



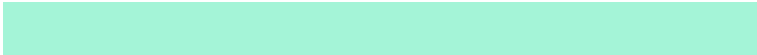
77.5002, 0.3435, 0.2979



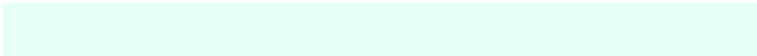
77.5002, 0.3842, 0.3461

Sweetspot

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



77.5034, 0.2807, 0.3630



94.8984, 0.3024, 0.3383



78.7683, 0.3269, 0.4212



20.1699, 0.3009, 0.3396



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.



77.5034, 0.2807, 0.3630



83.6520, 0.2755, 0.3708



72.8988, 0.2644, 0.3166



18.6497, 0.3029, 0.3377



36.5026, 0.2590, 0.4526



3.2279, 0.2542, 0.4352

Inverse Universe

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



49.6526, 0.3611, 0.2977



48.6767, 0.3745, 0.2915



52.4596, 0.3852, 0.3409



16.5820, 0.3236, 0.3204



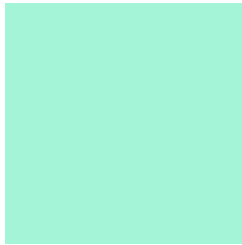
10.8702, 0.5528, 0.2819



0.9744, 0.5184, 0.2629

Previews

White Background



This preview shows how the Yxy color 77.5002, 0.2807, 0.3630 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 77.5002, 0.2807, 0.3630 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

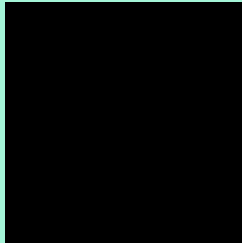
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 77.5002, 0.2807, 0.3630

Background



This preview shows how black text looks on a background with the Yxy color 77.5002, 0.2807, 0.3630.

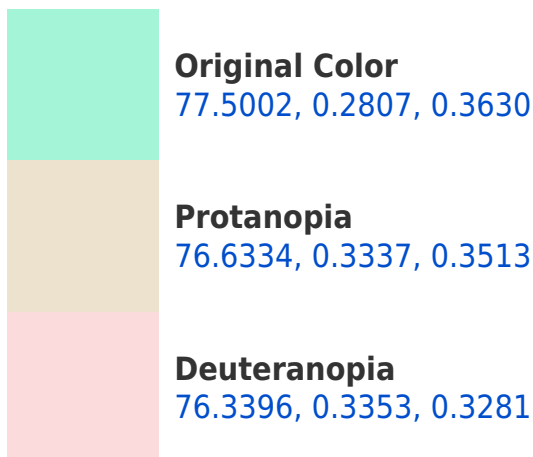


This preview shows how white text looks on a background with the Yxy color 77.5002, 0.2807, 0.3630.

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

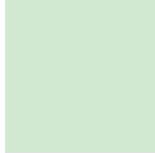
77.2534, 0.2668, 0.3091

Trichromacy



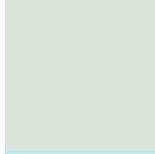
Original Color

77.5002, 0.2807, 0.3630



Protanomaly

76.5829, 0.3121, 0.3556



Deuteranomaly

75.6088, 0.3129, 0.3399



Tritanomaly

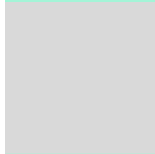
77.4957, 0.2721, 0.3289

Monochromacy



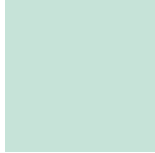
Original Color

77.5002, 0.2807, 0.3630



Achromatopsia

69.3872, 0.3127, 0.3290



Achromatomaly

71.9018, 0.2999, 0.3415

CSS Examples

Text

The CSS property to change the color of the text to Yxy 77.5002, 0.2807, 0.3630 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, 244, 215)` looks like.

```
.text, #text, p{  
    color:rgb(164, 244, 215)  
}
```

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, 244, 215) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(164, 244, 215) }
```

Border

The CSS property to change the border of an element to Yxy 77.5002, 0.2807, 0.3630 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, 244, 215) }
```

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

```
.border{ border-color:rgb(164, 244, 215) }
```

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

Here you see how a box with a 4 pixel rgb(164, 244, 215) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(164, 244, 215); -webkit-box-  
shadow:4px 4px 4px 4px rgb(164, 244, 215);  
box-shadow:4px 4px 4px 4px rgb(164, 244,  
215) }
```


Background

The CSS property to change the background color of an element to Yxy 77.5002, 0.2807, 0.3630 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(164, 244, 215) }
```

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

```
.background{ background-color: rgb(164,  
244, 215) }
```

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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