

Converting Colors

$Yxy(77.5108, 0.2812, 0.3646)$

Have a look what the booklet for
Yxy(77.5108, 0.2812, 0.3646)
contains.

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Color

Yxy(77.4489, 0.2812, 0.3642)

Conversions

Conversions Part 1

Format	Color
Hex	A4F4D6
RGB	164, 244, 214
RGB Percent	64%, 96%, 84%
CMY	0.3568, 0.0431, 0.1608
CMYK	0.33, 0.00, 0.12, 0.04
HSL	157°, 78%, 80%
HSV	157°, 33%, 96%
XYZ	59.7985, 77.4489, 75.4074
YIQ	216.6600, -38.0500, -26.2900

Conversions

Conversions Part 2

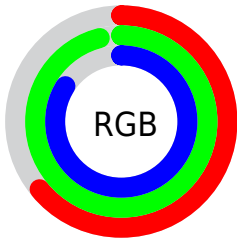
Format	Color
RYB	164, 213, 244
Decimal	10810582
CIELab	90.53, -30.73, 6.72
CIElCh	91, 31.460, 167.667
Yxy	77.4489, 0.2812, 0.3642
Android (android.graphics.Color)	4289000662 (0xFFA4F4D6)
YUV	216.6600, -1.3114, -46.1828
Hunter-Lab	88.0051, -32.7199, 10.8007

Details

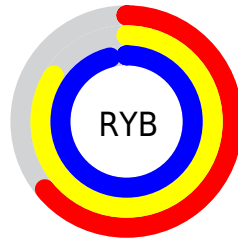
The Yxy color **77.4489, 0.2812, 0.3642** is a light color, and the websafe version is hex **99FFCC**. A complement of this color would be **49.6859, 0.3602, 0.2967**, and the grayscale version is **69.1748, 0.3127, 0.3290**.

A 20% lighter version of the original color is **94.1122, 0.2923, 0.3289**, and **41.2951, 0.2738, 0.3727** is the 20% darker color. If you saturate the color by 10%, you get **74.6453, 0.2733, 0.3771**, and if you desaturate by 10%, it is **80.7832, 0.2901, 0.3523**.

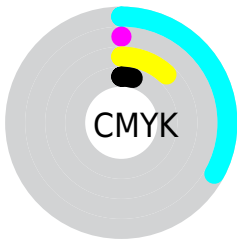
Distribution



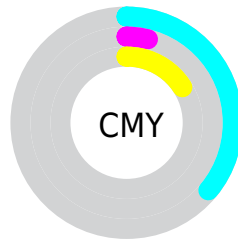
- Red (64%)
- Green (96%)
- Blue (84%)



- 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 77.4489, 0.2812, 0.3642 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 77.4489, 0.2812, 0.3642 by changing the saturation by 10% instead.

 77.4489, 0.2812,
0.3642


 77.4489, 0.2812,
0.3642


486.2932, 0.2958,
0.3477

 57.6214, 0.2779,
0.3680


 129.7730, 0.2863,
0.3584

 41.5043, 0.2737,
0.3728


 163.0383, 0.2882,
0.3562

 28.7134, 0.2685,
0.3788


201.5517, 0.2899,
0.3543

 18.8641, 0.2617,
0.3869

245.6975, 0.2914,
0.3526

 11.5721, 0.2524,
0.3979

295.8602, 0.2927,
0.3512

 6.4530, 0.2390,
0.4142

352.4241, 0.2939,

 3.1225, 0.2181,

0.3499

415.7736, 0.2949,
0.3487

0.4402

1.1960, 0.1519,
0.5083

0.0584, 0.0000,
1.0000

77.4489, 0.2812,
0.3642

77.4489, 0.2812,
0.3642

74.6453, 0.2733,
0.3771

80.7832, 0.2901,
0.3523

72.3338, 0.2668,
0.3908

84.6653, 0.2998,
0.3414

70.4857, 0.2619,
0.4051

89.1233, 0.3099,
0.3316

69.0652, 0.2589,
0.4198

92.9042, 0.3158,
0.3227

■ 68.0311, 0.2580,
0.4345

■ 93.1836, 0.3132,
0.3185

■ 67.3336, 0.2591,
0.4490

■ 66.9853, 0.2609,
0.4592

Harmonies

Analogous

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



77.4489, 0.3168, 0.3895



77.4489, 0.2812, 0.3642



77.4489, 0.2550, 0.3285

Triad

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



77.4489, 0.2812, 0.3642



77.4489, 0.2714, 0.2685



77.4489, 0.3868, 0.3554

Complementary

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



77.4489, 0.2812, 0.3642



49.6859, 0.3602, 0.2967

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.



77.4489, 0.3735, 0.3250



77.4489, 0.2812, 0.3642



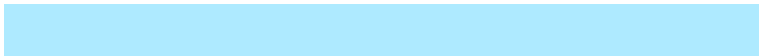
77.4489, 0.3051, 0.2768

Square

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



77.4489, 0.2812, 0.3642



77.4489, 0.2497, 0.2746



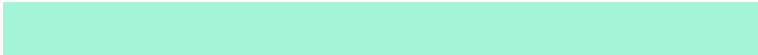
77.4489, 0.3428, 0.2970



77.4489, 0.3787, 0.3815

Rectangle

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



77.4489, 0.2812, 0.3642



77.4489, 0.2458, 0.3056



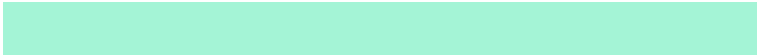
77.4489, 0.3428, 0.2970



77.4489, 0.3847, 0.3454

Sweetspot

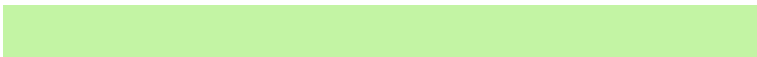
The Sweet Spot groups the original color and five complimentary colors.



77.4521, 0.2812, 0.3642



94.8794, 0.3025, 0.3386



78.9435, 0.3278, 0.4209



20.1653, 0.3011, 0.3400



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.



77.4521, 0.2812, 0.3642



83.5885, 0.2761, 0.3722



73.6546, 0.2646, 0.3182



18.6462, 0.3031, 0.3380



36.4490, 0.2603, 0.4569



3.2234, 0.2553, 0.4390

Inverse Universe

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



49.6859, 0.3602, 0.2967



48.7305, 0.3733, 0.2903



51.9345, 0.3858, 0.3394



16.5854, 0.3234, 0.3202



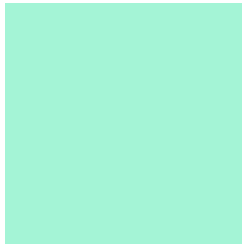
10.8982, 0.5480, 0.2792



0.9771, 0.5139, 0.2605

Previews

White Background



This preview shows how the Yxy color 77.4489, 0.2812, 0.3642 looks on a white background.

Color Contrast Check

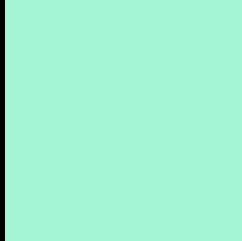
Large Text (above 18pt) WCAG AA × Fail

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 77.4489, 0.2812, 0.3642 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 77.4489, 0.2812, 0.3642

Background



This preview shows how black text looks on a background with the Yxy color 77.4489, 0.2812, 0.3642.

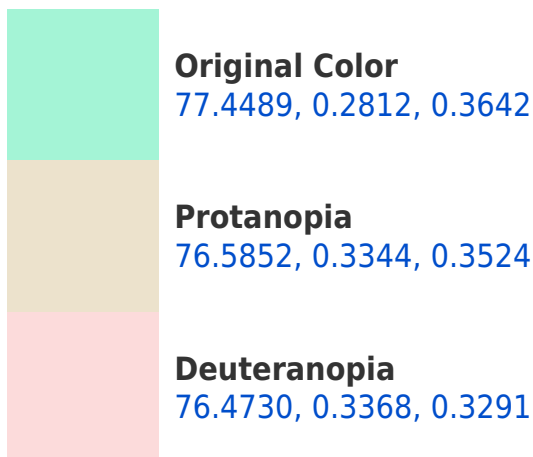


This preview shows how white text looks on a background with the Yxy color 77.4489, 0.2812, 0.3642.

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

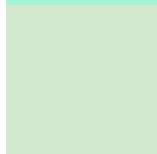
77.2534, 0.2668, 0.3091

Trichromacy



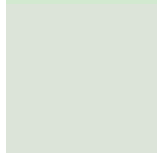
Original Color

77.4489, 0.2812, 0.3642



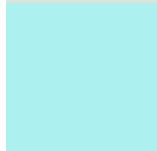
Protanomaly

76.5335, 0.3128, 0.3567



Deuteranomaly

75.7122, 0.3142, 0.3409



Tritanomaly

77.4957, 0.2721, 0.3289

Monochromacy



Original Color

77.4489, 0.2812, 0.3642



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 77.4489, 0.2812, 0.3642 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, 214)` looks like.

```
.text, #text, p{  
    color:rgb(164, 244, 214)  
}
```

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, 214) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(164, 244, 214) }
```

Border

The CSS property to change the border of an element to Yxy 77.4489, 0.2812, 0.3642 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, 214) }
```

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

```
.border{ border-color:rgb(164, 244, 214) }
```

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, 214)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(164, 244, 214); -webkit-box-  
shadow:4px 4px 4px 4px rgb(164, 244, 214);  
box-shadow:4px 4px 4px 4px rgb(164, 244,  
214) }
```


Background

The CSS property to change the background color of an element to Yxy 77.4489, 0.2812, 0.3642 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, 214) }
```

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

```
.background{ background-color: rgb(164,  
244, 214) }
```

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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