

Converting Colors

$Yxy(77.9544, 0.2773, 0.3558)$

Have a look what the booklet for
Yxy(77.9544, 0.2773, 0.3558)
contains.

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Color

Yxy(77.8143, 0.2775, 0.3557)

Conversions

Conversions Part 1

Format	Color
Hex	A4F4DD
RGB	164, 244, 221
RGB Percent	64%, 96%, 87%
CMY	0.3570, 0.0431, 0.1332
CMYK	0.33, 0.00, 0.09, 0.04
HSL	163°, 78%, 80%
HSV	163°, 33%, 96%
XYZ	60.7070, 77.8143, 80.2426
YIQ	217.4580, -40.2970, -24.1130

Conversions

Conversions Part 2

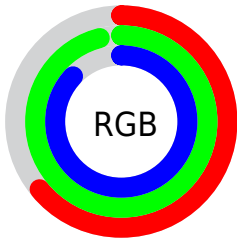
Format	Color
RYB	164, 211, 244
Decimal	10810589
CIELab	90.70, -29.30, 3.30
CIELCh	91, 29.482, 173.565
Yxy	77.8143, 0.2775, 0.3557
Android (android.graphics.Color)	4289000669 (0xFFA4F4DD)
YUV	217.4580, 1.7462, -46.8827
Hunter-Lab	88.2124, -31.5297, 7.8154

Details

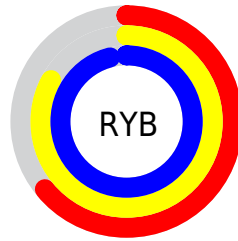
The Yxy color **77.8143, 0.2775, 0.3557** is a light color, and the websafe version is hex **99FFFF**. A complement of this color would be **49.3557, 0.3669, 0.3042**, and the grayscale version is **69.7235, 0.3127, 0.3290**.

A 20% lighter version of the original color is **94.1122, 0.2923, 0.3289**, and **41.5450, 0.2693, 0.3614** is the 20% darker color. If you saturate the color by 10%, you get **75.1007, 0.2687, 0.3654**, and if you desaturate by 10%, it is **81.0478, 0.2874, 0.3467**.

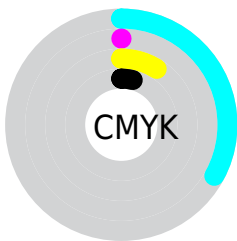
Distribution



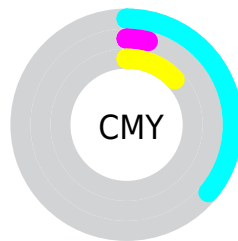
- Red (64%)
- Green (96%)
- Blue (87%)



- Red (64%)
- Yellow (83%)
- Blue (96%)



- Cyan (33%)
- Magenta (0%)
- Yellow (9%)
- Black (4%)





- Cyan (36%)
- Magenta (4%)
- Yellow (13%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 77.8143, 0.2775, 0.3557 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 77.8143, 0.2775, 0.3557 by changing the saturation by 10% instead.

 77.8143, 0.2775,
0.3557


 77.8143, 0.2775,
0.3557


487.5359, 0.2937,
0.3433

 57.9214, 0.2738,
0.3585

 130.2883, 0.2831,
0.3514

 41.7455, 0.2693,
0.3620


 163.6383, 0.2853,
0.3497

 28.9021, 0.2637,
0.3665


202.2427, 0.2871,
0.3483

 19.0067, 0.2563,
0.3723

246.4860, 0.2888,
0.3470

 11.6752, 0.2464,
0.3802

296.7526, 0.2902,
0.3460

 6.5229, 0.2322,
0.3917

353.4268, 0.2915,

 3.1656, 0.2106,

0.3450

0.4097

416.8932, 0.2926,
0.3441

1.2188, 0.1525,
0.4530

0.0770, 0.0000,
1.0000

77.8143, 0.2775,
0.3557

77.8143, 0.2775,
0.3557

75.1007, 0.2687,
0.3654

81.0478, 0.2874,
0.3467

72.8687, 0.2614,
0.3756

84.8182, 0.2982,
0.3385

71.0898, 0.2557,
0.3863

89.1532, 0.3095,
0.3310

69.7286, 0.2521,
0.3972

92.8105, 0.3168,
0.3242

■ 68.7439, 0.2504,
0.4082

■ 93.1878, 0.3132,
0.3185

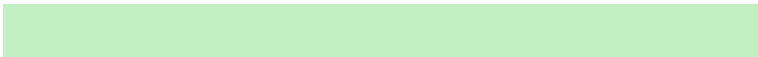
■ 68.0863, 0.2507,
0.4191

■ 67.7618, 0.2519,
0.4269

Harmonies

Analogous

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



77.8143, 0.3098, 0.3821



77.8143, 0.2775, 0.3557



77.8143, 0.2553, 0.3221

Triad

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



77.8143, 0.2775, 0.3557



77.8143, 0.2796, 0.2726



77.8143, 0.3821, 0.3593

Complementary

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



77.8143, 0.2775, 0.3557



49.3557, 0.3669, 0.3042

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.



77.8143, 0.3734, 0.3310



77.8143, 0.2775, 0.3557



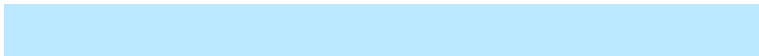
77.8143, 0.3126, 0.2828

Square

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



77.8143, 0.2775, 0.3557



77.8143, 0.2565, 0.2758



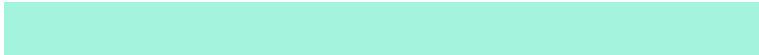
77.8143, 0.3474, 0.3037



77.8143, 0.3709, 0.3819

Rectangle

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



77.8143, 0.2775, 0.3557



77.8143, 0.2486, 0.3017



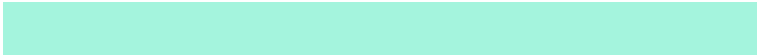
77.8143, 0.3474, 0.3037



77.8143, 0.3814, 0.3502

Sweetspot

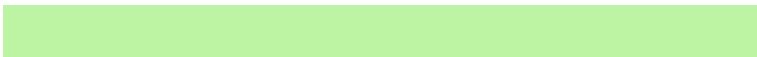
The Sweet Spot groups the original color and five complimentary colors.



77.8175, 0.2775, 0.3557



95.0177, 0.3013, 0.3363



78.0745, 0.3234, 0.4223



20.1988, 0.2997, 0.3374



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.



77.8175, 0.2775, 0.3557



84.0585, 0.2718, 0.3617



69.9069, 0.2636, 0.3104



18.6719, 0.3019, 0.3359



36.8662, 0.2514, 0.4251



3.2579, 0.2477, 0.4115

Inverse Universe

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



49.3557, 0.3669, 0.3042



48.3513, 0.3820, 0.2993



54.5430, 0.3835, 0.3467



16.5608, 0.3248, 0.3222



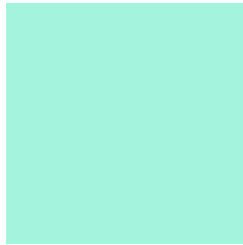
10.7191, 0.5809, 0.2974



0.9591, 0.5455, 0.2779

Previews

White Background



This preview shows how the Yxy color 77.8143, 0.2775, 0.3557 looks on a white background.

Color Contrast Check

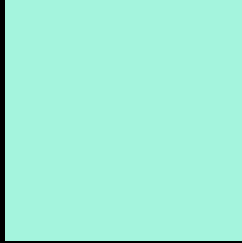
Large Text (above 18pt) WCAG AA × Fail

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 77.8143, 0.2775, 0.3557 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

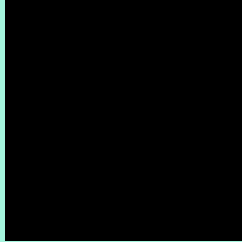
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 77.8143, 0.2775, 0.3557

Background



This preview shows how black text looks on a background with the Yxy color 77.8143, 0.2775, 0.3557.

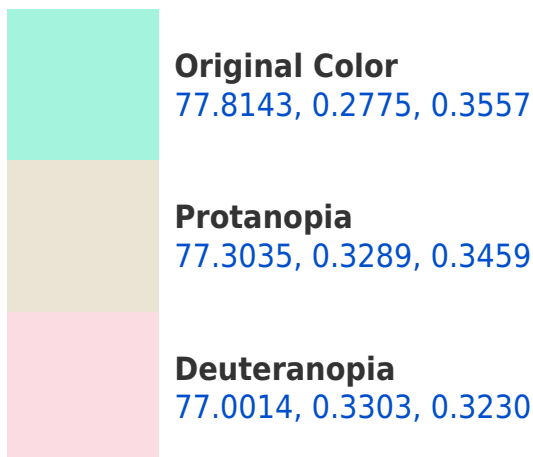


This preview shows how white text looks on a background with the Yxy color 77.8143, 0.2775, 0.3557.

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

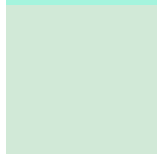
77.9528, 0.2675, 0.3102

Trichromacy



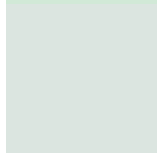
Original Color

77.8143, 0.2775, 0.3557



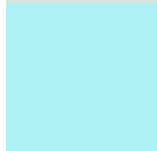
Protanomaly

76.7394, 0.3078, 0.3489



Deuteranomaly

76.4805, 0.3090, 0.3344



Tritanomaly

77.7899, 0.2711, 0.3255

Monochromacy



Original Color

77.8143, 0.2775, 0.3557



Achromatopsia

69.3872, 0.3127, 0.3290



Achromatomaly

72.0059, 0.2987, 0.3392

CSS Examples

Text

The CSS property to change the color of the text to Yxy 77.8143, 0.2775, 0.3557 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, 221)` looks like.

```
.text, #text, p{  
    color:rgb(164, 244, 221)  
}
```

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, 221) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(164, 244, 221) }
```

Border

The CSS property to change the border of an element to Yxy 77.8143, 0.2775, 0.3557 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, 221) }
```

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

```
.border{ border-color:rgb(164, 244, 221) }
```

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, 221)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(164, 244, 221); -webkit-box-  
shadow:4px 4px 4px 4px rgb(164, 244, 221);  
box-shadow:4px 4px 4px 4px rgb(164, 244,  
221) }
```


Background

The CSS property to change the background color of an element to Yxy 77.8143, 0.2775, 0.3557 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, 221) }
```

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

```
.background{ background-color: rgb(164,  
244, 221) }
```

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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