

Converting Colors

$Yxy(77.3812, 0.2791, 0.3558)$

Have a look what the booklet for
Yxy(77.3812, 0.2791, 0.3558)
contains.

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Color

Yxy(77.3755, 0.2790, 0.3557)

Conversions

Conversions Part 1

| Format | Color |
|-------------|------------------------------|
| Hex | A6F3DC |
| RGB | 166, 243, 220 |
| RGB Percent | 65%, 95%, 86% |
| CMY | 0.3492, 0.0470, 0.1371 |
| CMYK | 0.32, 0.00, 0.09, 0.05 |
| HSL | 162°, 76%, 80% |
| HSV | 162°, 32%, 95% |
| XYZ | 60.6909, 77.3755, 79.4638 |
| YIQ | 217.3550, -38.5090, -23.4770 |

Conversions

Conversions Part 2

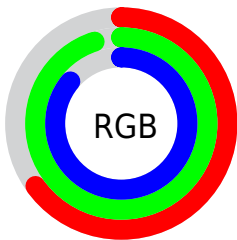
| Format | Color |
|-------------------------------------|-------------------------------|
| R _Y B | 166, 211, 243 |
| Decimal | 10941404 |
| CIE Lab | 90.49, -28.47, 3.54 |
| CIE LCh | 90, 28.688, 172.904 |
| Yxy | 77.3755, 0.2790, 0.3557 |
| Android (android.graphics.Color) | 4289131484 (0xFFA6F3DC) |
| YUV | 217.3550, 1.3040, -45.0383 |
| Hunter-Lab | 87.9633, -30.7785, 8.0133 |

Details

The Yxy color **77.3755, 0.2790, 0.3557** is a light color, and the websafe version is hex **99FFFF**. A complement of this color would be **49.9864, 0.3637, 0.3041**, and the grayscale version is **69.6521, 0.3127, 0.3290**.

A 20% lighter version of the original color is **94.4280, 0.2935, 0.3289**, and **41.6368, 0.2712, 0.3629** is the 20% darker color. If you saturate the color by 10%, you get **74.6207, 0.2702, 0.3657**, and if you desaturate by 10%, it is **80.6493, 0.2889, 0.3464**.

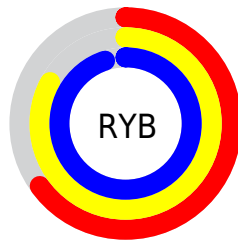
Distribution



Red (65%)

Green (95%)

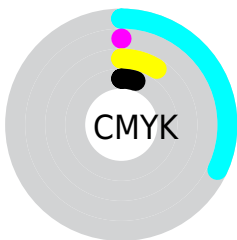
Blue (86%)



Red (65%)

Yellow (83%)

Blue (95%)

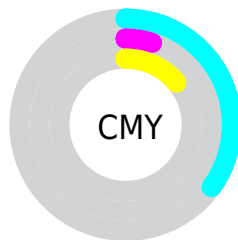


Cyan (32%)

Magenta (0%)

Yellow (9%)

Black (5%)



Cyan (35%)


Magenta (5%)


Yellow (14%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 77.3755, 0.2790, 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 77.3755, 0.2790, 0.3557 by changing the saturation by 10% instead.


 77.3755, 0.2790,
0.3557

 77.3755, 0.2790,
0.3557


486.0434, 0.2945,
0.3433

 57.5611, 0.2755,
0.3585


 129.6694, 0.2844,
0.3514

 41.4559, 0.2712,
0.3621


 162.9177, 0.2864,
0.3497

 28.6755, 0.2657,
0.3665


201.4128, 0.2882,
0.3483

 18.8355, 0.2586,
0.3724

245.5390, 0.2898,
0.3470

 11.5515, 0.2490,
0.3804

295.6808, 0.2912,
0.3459

 6.4390, 0.2353,
0.3920

352.2225, 0.2924,

 3.1138, 0.2143,

0.3450

0.4103

415.5486, 0.2935,
0.3441

1.1915, 0.1563,
0.4549

0.0547, 0.0000,
1.0000

77.3755, 0.2790,
0.3557

77.3755, 0.2790,
0.3557

74.6207, 0.2702,
0.3657

80.6493, 0.2889,
0.3464

72.3474, 0.2628,
0.3763

84.4588, 0.2996,
0.3379

70.5275, 0.2570,
0.3874

88.8314, 0.3108,
0.3302

69.1265, 0.2532,
0.3987

92.2081, 0.3169,
0.3232

■ 68.1044, 0.2514,
0.4102

■ 92.5871, 0.3133,
0.3175

■ 67.4133, 0.2516,
0.4216

■ 67.0292, 0.2530,
0.4309

Harmonies

Analogous

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



77.3755, 0.3107, 0.3810



77.3755, 0.2790, 0.3557



77.3755, 0.2570, 0.3231

Triad

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



77.3755, 0.2790, 0.3557



77.3755, 0.2798, 0.2739



77.3755, 0.3803, 0.3581

Complementary

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



77.3755, 0.2790, 0.3557



49.9864, 0.3637, 0.3041

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.



77.3755, 0.3715, 0.3304



77.3755, 0.2790, 0.3557



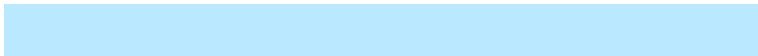
77.3755, 0.3119, 0.2836

Square

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



77.3755, 0.2790, 0.3557



77.3755, 0.2575, 0.2773



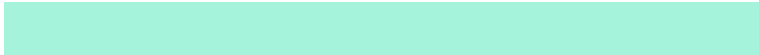
77.3755, 0.3459, 0.3038



77.3755, 0.3699, 0.3803

Rectangle

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



77.3755, 0.2790, 0.3557



77.3755, 0.2502, 0.3030



77.3755, 0.3459, 0.3038



77.3755, 0.3796, 0.3491

Sweetspot

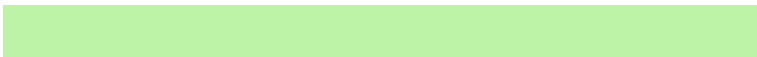
The Sweet Spot groups the original color and five complimentary colors.



77.3787, 0.2790, 0.3557



95.0001, 0.3014, 0.3366



77.6874, 0.3231, 0.4188



20.1946, 0.2999, 0.3377



0.0000, 0.0000, 0.0000



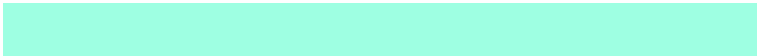
21.4041, 0.3127, 0.3290

Same Dimension

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



77.3787, 0.2790, 0.3557



84.2955, 0.2732, 0.3620



69.8415, 0.2651, 0.3111



18.6687, 0.3020, 0.3362



36.8095, 0.2525, 0.4291



3.2533, 0.2486, 0.4150

Inverse Universe

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



49.9864, 0.3637, 0.3041



49.3359, 0.3784, 0.2989



55.0069, 0.3803, 0.3461



16.5639, 0.3247, 0.3220



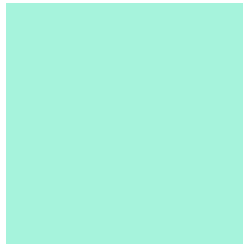
10.7388, 0.5770, 0.2952



0.9612, 0.5416, 0.2757

Previews

White Background



This preview shows how the Yxy color 77.3755, 0.2790, 0.3557 looks on a white background.

Color Contrast Check

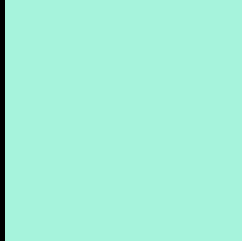
Large Text (above 18pt) WCAG AA × Fail

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 77.3755, 0.2790, 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 77.3755, 0.2790, 0.3557

Background



This preview shows how black text looks on a background with the Yxy color 77.3755, 0.2790, 0.3557.

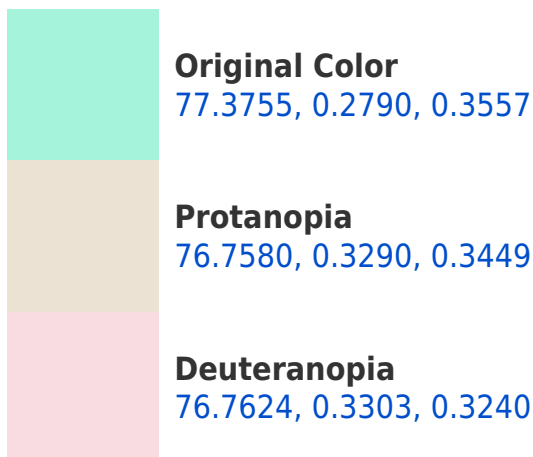


This preview shows how white text looks on a background with the Yxy color 77.3755, 0.2790, 0.3557.

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

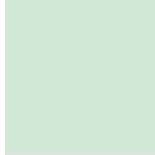
77.2534, 0.2668, 0.3091

Trichromacy



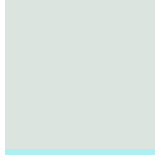
Original Color

77.3755, 0.2790, 0.3557



Protanomaly

76.2699, 0.3091, 0.3489



Deuteranomaly

75.8746, 0.3097, 0.3344



Tritanomaly

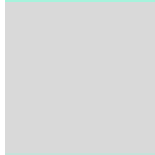
77.1425, 0.2715, 0.3255

Monochromacy



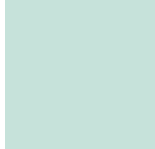
Original Color

77.3755, 0.2790, 0.3557



Achromatopsia

69.3872, 0.3127, 0.3290



Achromatomaly

71.4604, 0.2987, 0.3380

CSS Examples

Text

The CSS property to change the color of the text to Yxy 77.3755, 0.2790, 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(166, 243, 220)` looks like.

```
.text, #text, p{  
    color:rgb(166, 243, 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(166, 243, 220) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(166, 243, 220) }
```

Border

The CSS property to change the border of an element to Yxy 77.3755, 0.2790, 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(166, 243, 220) }
```

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

```
.border{ border-color:rgb(166, 243, 220) }
```

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

Here you see how a box with a 4 pixel `rgb(166, 243, 220)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(166, 243, 220); -webkit-box-  
shadow:4px 4px 4px 4px rgb(166, 243, 220);  
box-shadow:4px 4px 4px 4px rgb(166, 243,  
220) }
```


Background

The CSS property to change the background color of an element to Yxy 77.3755, 0.2790, 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(166, 243, 220) }
```

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

```
.background{ background-color: rgb(166,  
243, 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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