

Converting Colors

$Yxy(78.5695, 0.2708, 0.3375)$

Have a look what the booklet for
Yxy(78.5695, 0.2708, 0.3375)
contains.

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Color

Yxy(78.8645, 0.2709, 0.3380)

Conversions

Conversions Part 1

Format	Color
Hex	A6F4EC
RGB	166, 244, 236
RGB Percent	65%, 96%, 93%
CMY	0.3492, 0.0431, 0.0745
CMYK	0.32, 0.00, 0.03, 0.04
HSL	174°, 78%, 80%
HSV	174°, 32%, 96%
XYZ	63.2083, 78.8645, 91.2542
YIQ	219.7660, -43.9200, -19.0240

Conversions

Conversions Part 2

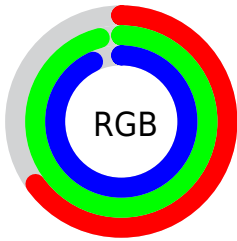
Format	Color
R _Y B	166, 207, 244
Decimal	10941676
CIE _{Lab}	91.17, -25.52, -3.78
CIE _{LCh}	91, 25.801, 188.433
Y _{xy}	78.8645, 0.2709, 0.3380
Android (android.graphics.Color)	4289131756 (0xFFA6F4EC)
Y _{UV}	219.7660, 8.0034, -47.1528
Hunter-Lab	88.8057, -28.3609, 1.2393

Details

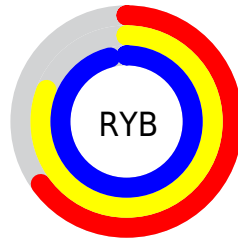
The Yxy color **78.8645, 0.2709, 0.3380** is a light color, and the websafe version is hex **99FFFF**. A complement of this color would be **49.5408, 0.3789, 0.3204**, and the grayscale version is **71.3584, 0.3127, 0.3290**.

A 20% lighter version of the original color is **94.4280, 0.2935, 0.3289**, and **42.6412, 0.2620, 0.3409** is the 20% darker color. If you saturate the color by 10%, you get **76.3327, 0.2602, 0.3413**, and if you desaturate by 10%, it is **81.9048, 0.2829, 0.3349**.

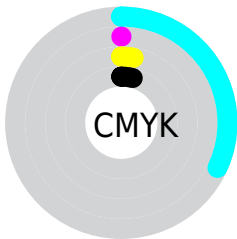
Distribution



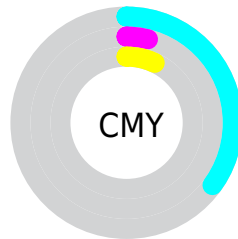
- Red (65%)
- Green (96%)
- Blue (93%)



- Red (65%)
- Yellow (81%)
- Blue (96%)



- Cyan (32%)
- Magenta (0%)
- Yellow (3%)
- Black (4%)





- Cyan (35%)
- Magenta (4%)
- Yellow (7%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 78.8645, 0.2709, 0.3380 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 78.8645, 0.2709, 0.3380 by changing the saturation by 10% instead.


 78.8645, 0.2709,
0.3380


 78.8645, 0.2709,
0.3380

491.0978, 0.2898,
0.3341

 58.7844, 0.2667,
0.3388


 131.7681, 0.2774,
0.3367

 42.4396, 0.2615,
0.3398


 165.3604, 0.2799,
0.3362

 29.4457, 0.2551,
0.3410

204.2255, 0.2821,
0.3357

 19.4182, 0.2468,
0.3425

248.7479, 0.2840,
0.3353

 11.9729, 0.2358,
0.3444

299.3119, 0.2857,
0.3350

 6.7252, 0.2204,
0.3468


356.3020, 0.2872,


 3.2908, 0.1976,

0.3347


0.3499

420.1025, 0.2886,
0.3344


 1.2854, 0.1533,
0.3566


 0.1299, 0.0000,
0.2424


 78.8645, 0.2709,
0.3380

 78.8645, 0.2709,
0.3380

 76.3327, 0.2602,
0.3413


 81.9048, 0.2829,
0.3349


 74.2717, 0.2512,
0.3447

 85.4704, 0.2960,
0.3321

 72.6532, 0.2440,
0.3482

 89.5887, 0.3099,
0.3295

 71.4425, 0.2387,
0.3517

 92.6252, 0.3186,
0.3271

70.5991, 0.2354,
0.3553

92.7799, 0.3171,
0.3247

70.0746, 0.2339,
0.3588

92.9367, 0.3156,
0.3223

69.8246, 0.2338,
0.3616

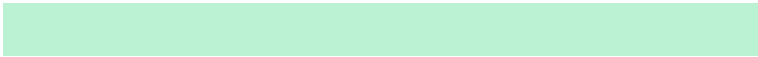
93.0955, 0.3141,
0.3199

93.1903, 0.3132,
0.3185

Harmonies

Analogous

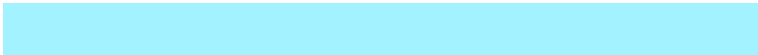
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



78.8645, 0.2956, 0.3650



78.8645, 0.2709, 0.3380



78.8645, 0.2574, 0.3097

Triad

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



78.8645, 0.2709, 0.3380



78.8645, 0.2975, 0.2825



78.8645, 0.3704, 0.3666

Complementary

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



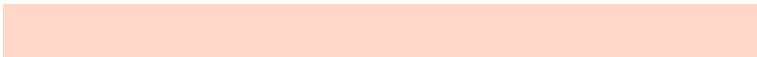
78.8645, 0.2709, 0.3380



49.5408, 0.3789, 0.3204

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.



78.8645, 0.3714, 0.3436



78.8645, 0.2709, 0.3380



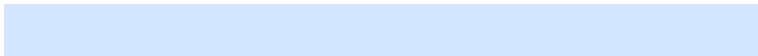
78.8645, 0.3281, 0.2966

Square

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



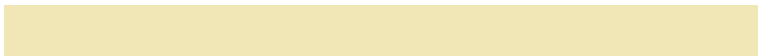
78.8645, 0.2709, 0.3380



78.8645, 0.2721, 0.2794



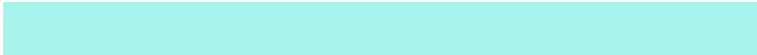
78.8645, 0.3557, 0.3185



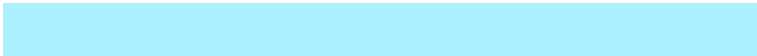
78.8645, 0.3533, 0.3810

Rectangle

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



78.8645, 0.2709, 0.3380



78.8645, 0.2561, 0.2945



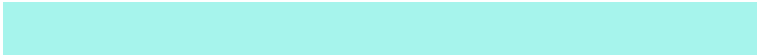
78.8645, 0.3557, 0.3185



78.8645, 0.3726, 0.3596

Sweetspot

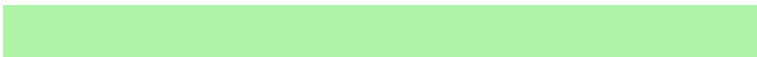
The Sweet Spot groups the original color and five complimentary colors.



78.8677, 0.2709, 0.3380



95.3131, 0.2987, 0.3316



76.5811, 0.3139, 0.4223



20.2707, 0.2968, 0.3319



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.



78.8677, 0.2709, 0.3380



85.3958, 0.2642, 0.3400



62.7703, 0.2627, 0.2938



18.7268, 0.2994, 0.3314



37.9734, 0.2336, 0.3611



3.3458, 0.2324, 0.3566

Inverse Universe

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



49.5408, 0.3789, 0.3204



48.5763, 0.3974, 0.3188



61.4078, 0.3762, 0.3616



16.5101, 0.3278, 0.3266



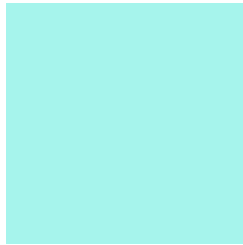
10.5052, 0.6282, 0.3234



0.9323, 0.6043, 0.3102

Previews

White Background



This preview shows how the Yxy color 78.8645, 0.2709, 0.3380 looks on a white background.

Color Contrast Check

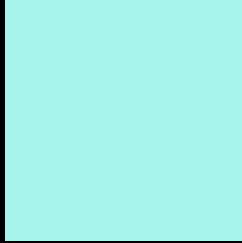
Large Text (above 18pt) WCAG AA × Fail

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 78.8645, 0.2709, 0.3380 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 78.8645, 0.2709, 0.3380

Background



This preview shows how black text looks on a background with the Yxy color 78.8645, 0.2709, 0.3380.

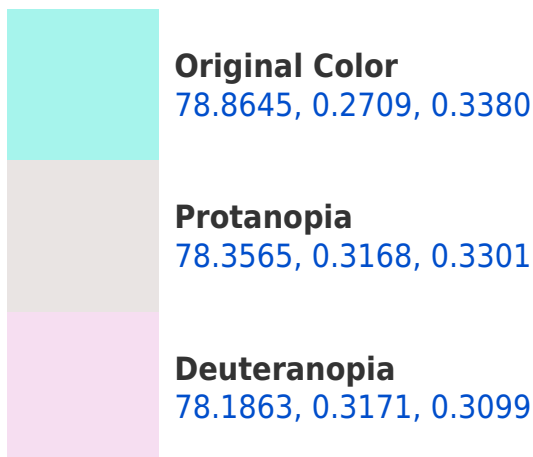


This preview shows how white text looks on a background with the Yxy color 78.8645, 0.2709, 0.3380.

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

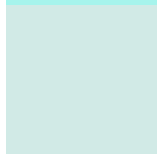
78.8981, 0.2692, 0.3114

Trichromacy



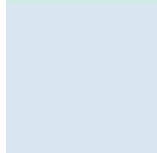
Original Color

78.8645, 0.2709, 0.3380



Protanomaly

78.1141, 0.2987, 0.3333



Deuteranomaly

77.5773, 0.2985, 0.3194



Tritanomaly

78.9180, 0.2698, 0.3211

Monochromacy



Original Color

78.8645, 0.2709, 0.3380



Achromatopsia

71.5694, 0.3127, 0.3290



Achromatomaly

73.8090, 0.2952, 0.3323

CSS Examples

Text

The CSS property to change the color of the text to Yxy 78.8645, 0.2709, 0.3380 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, 244, 236)` looks like.

```
.text, #text, p{  
    color:rgb(166, 244, 236)  
}
```

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, 244, 236) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(166, 244, 236) }
```

Border

The CSS property to change the border of an element to Yxy 78.8645, 0.2709, 0.3380 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, 244, 236) }
```

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

```
.border{ border-color:rgb(166, 244, 236) }
```

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

Here you see how a box with a 4 pixel `rgb(166, 244, 236)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(166, 244, 236); -webkit-box-  
shadow:4px 4px 4px 4px rgb(166, 244, 236);  
box-shadow:4px 4px 4px 4px rgb(166, 244,  
236) }
```


Background

The CSS property to change the background color of an element to Yxy 78.8645, 0.2709, 0.3380 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(166, 244, 236) }
```

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

```
.background{ background-color: rgb(166,  
244, 236) }
```

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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