

Converting Colors

$Yxy(78.6951, 0.2816, 0.3671)$

Have a look what the booklet for
Yxy(78.6951, 0.2816, 0.3671)
contains.

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Color

Yxy(78.6591, 0.2814, 0.3664)

Conversions

Conversions Part 1

Format	Color
Hex	A4F6D6
RGB	164, 246, 214
RGB Percent	64%, 96%, 84%
CMY	0.3566, 0.0353, 0.1608
CMYK	0.33, 0.00, 0.13, 0.04
HSL	157°, 82%, 80%
HSV	157°, 33%, 96%
XYZ	60.4112, 78.6591, 75.6106
YIQ	217.8340, -38.6000, -27.3360

Conversions

Conversions Part 2

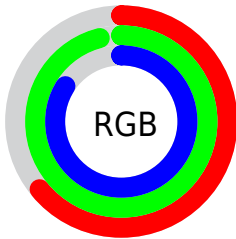
Format	Color
RYB	164, 215, 246
Decimal	10811094
CIELab	91.08, -31.66, 7.51
CIELCh	91, 32.535, 166.649
Yxy	78.6591, 0.2814, 0.3664
Android (android.graphics.Color)	4289001174 (0xFFA4F6D6)
YUV	217.8340, -1.8902, -47.2124
Hunter-Lab	88.6900, -33.6221, 11.5366

Details

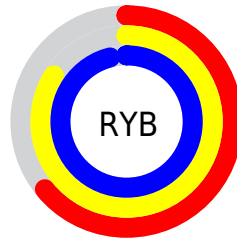
The Yxy color **78.6591, 0.2814, 0.3664** is a light color, and the websafe version is hex **99FFCC**. A complement of this color would be **50.1532, 0.3601, 0.2948**, and the grayscale version is **70.0338, 0.3127, 0.3290**.

A 20% lighter version of the original color is **94.1122, 0.2923, 0.3289**, and **42.1496, 0.2741, 0.3756** is the 20% darker color. If you saturate the color by 10%, you get **75.8155, 0.2737, 0.3799**, and if you desaturate by 10%, it is **82.0443, 0.2901, 0.3539**.

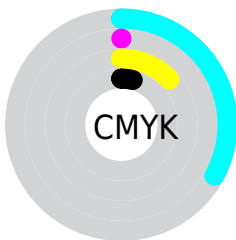
Distribution



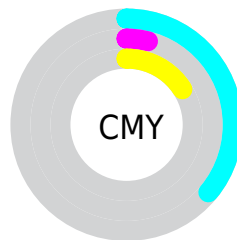
- Red (64%)
- Green (96%)
- Blue (84%)



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



- Cyan (33%)
- Magenta (0%)
- Yellow (13%)
- Black (4%)





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

Brightness & Saturation Gradients


These gradients show how the Yxy color 78.6591, 0.2814, 0.3664 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 78.6591, 0.2814, 0.3664 by changing the saturation by 10% instead.


 78.6591, 0.2814,
0.3664


 78.6591, 0.2814,
0.3664


490.4023, 0.2959,
0.3489

 58.6156, 0.2781,
0.3705


 131.4788, 0.2864,
0.3603

 42.3037, 0.2740,
0.3755


 165.0238, 0.2884,
0.3579

 29.3392, 0.2688,
0.3819


203.8381, 0.2901,
0.3559

 19.3376, 0.2621,
0.3904

248.3060, 0.2915,
0.3541

 11.9144, 0.2528,
0.4021

298.8120, 0.2928,
0.3526

 6.6854, 0.2396,
0.4193

355.7405, 0.2940,

 3.2662, 0.2190,

0.3512

419.4758, 0.2950,
0.3500

0.4467

1.2722, 0.1588,
0.5139

0.1195, 0.0000,
1.0000

78.6591, 0.2814,
0.3664

78.6591, 0.2814,
0.3664

75.8155, 0.2737,
0.3799

82.0443, 0.2901,
0.3539

73.4741, 0.2674,
0.3943

85.9889, 0.2995,
0.3425

71.6053, 0.2627,
0.4093

90.5216, 0.3094,
0.3322

70.1724, 0.2600,
0.4246

94.2240, 0.3147,
0.3228

■ 69.1327, 0.2593,
0.4400

■ 94.3886, 0.3131,
0.3204

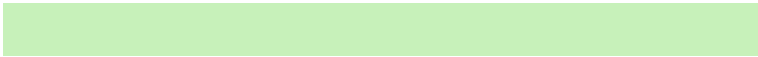
■ 68.4348, 0.2607,
0.4551

■ 68.1078, 0.2625,
0.4649

Harmonies

Analogous

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



78.6591, 0.3182, 0.3920



78.6591, 0.2814, 0.3664



78.6591, 0.2541, 0.3297

Triad

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



78.6591, 0.2814, 0.3664



78.6591, 0.2693, 0.2668



78.6591, 0.3888, 0.3550

Complementary

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



78.6591, 0.2814, 0.3664



50.1532, 0.3601, 0.2948

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.



78.6591, 0.3744, 0.3238



78.6591, 0.2814, 0.3664



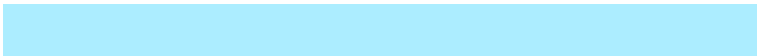
78.6591, 0.3035, 0.2749

Square

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



78.6591, 0.2814, 0.3664



78.6591, 0.2475, 0.2736



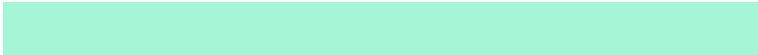
78.6591, 0.3424, 0.2952



78.6591, 0.3812, 0.3821

Rectangle

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



78.6591, 0.2814, 0.3664



78.6591, 0.2442, 0.3060



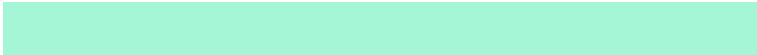
78.6591, 0.3424, 0.2952



78.6591, 0.3864, 0.3447

Sweetspot

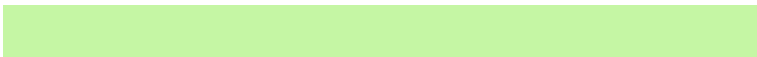
The Sweet Spot groups the original color and five complimentary colors.



78.6623, 0.2814, 0.3664



94.8554, 0.3027, 0.3390



80.4392, 0.3289, 0.4223



20.1595, 0.3014, 0.3405



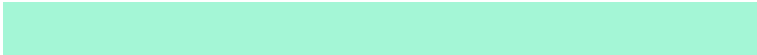
0.0000, 0.0000, 0.0000



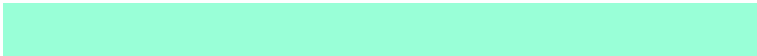
21.4041, 0.3127, 0.3290

Same Dimension

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



78.6623, 0.2814, 0.3664



83.2068, 0.2761, 0.3754



75.5863, 0.2641, 0.3195



18.6417, 0.3033, 0.3384



36.3833, 0.2618, 0.4625



3.2179, 0.2566, 0.4438

Inverse Universe

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



50.1532, 0.3601, 0.2948



47.8856, 0.3739, 0.2877



51.8766, 0.3879, 0.3381



16.5897, 0.3232, 0.3198



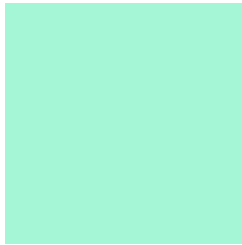
10.9351, 0.5418, 0.2758



0.9806, 0.5083, 0.2574

Previews

White Background



This preview shows how the Yxy color 78.6591, 0.2814, 0.3664 looks on a white background.

Color Contrast Check

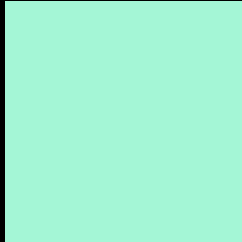
Large Text (above 18pt) WCAG AA × Fail

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 78.6591, 0.2814, 0.3664 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

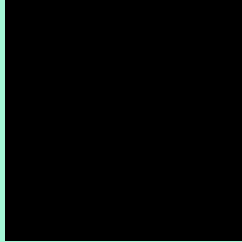
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

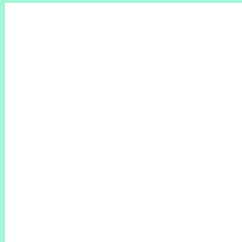
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 78.6591, 0.2814, 0.3664

Background



This preview shows how black text looks on a background with the Yxy color 78.6591, 0.2814, 0.3664.

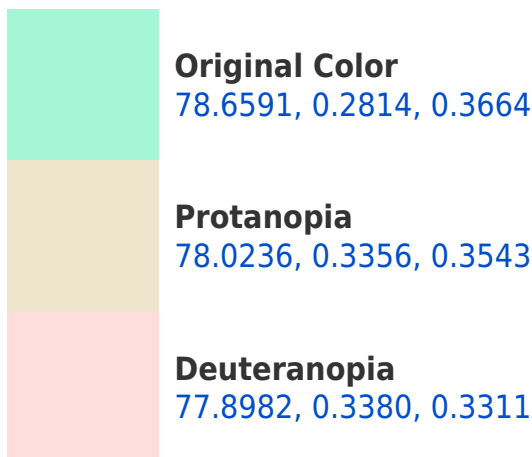


This preview shows how white text looks on a background with the Yxy color 78.6591, 0.2814, 0.3664.

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

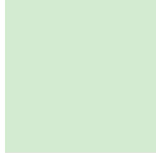
78.3142, 0.2691, 0.3103

Trichromacy



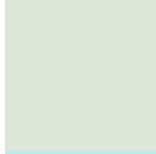
Original Color

78.6591, 0.2814, 0.3664



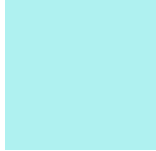
Protanomaly

77.8196, 0.3133, 0.3588



Deuteranomaly

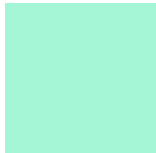
76.9755, 0.3148, 0.3430



Tritanomaly

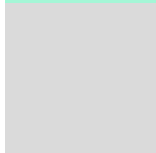
78.3158, 0.2733, 0.3300

Monochromacy



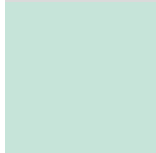
Original Color

78.6591, 0.2814, 0.3664



Achromatopsia

70.1102, 0.3127, 0.3290



Achromatomaly

72.5023, 0.2993, 0.3414

CSS Examples

Text

The CSS property to change the color of the text to Yxy 78.6591, 0.2814, 0.3664 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, 246, 214)` looks like.

```
.text, #text, p{  
    color:rgb(164, 246, 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, 246, 214) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(164, 246, 214) }
```

Border

The CSS property to change the border of an element to Yxy 78.6591, 0.2814, 0.3664 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, 246, 214) }
```

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

```
.border{ border-color:rgb(164, 246, 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, 246, 214)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(164, 246, 214); -webkit-box-  
shadow:4px 4px 4px 4px rgb(164, 246, 214);  
box-shadow:4px 4px 4px 4px rgb(164, 246,  
214) }
```


Background

The CSS property to change the background color of an element to Yxy 78.6591, 0.2814, 0.3664 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(164, 246, 214) }
```

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

```
.background{ background-color: rgb(164,  
246, 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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