

Converting Colors

$Yxy(78.6602, 0.2782, 0.3616)$

Have a look what the booklet for
Yxy(78.6602, 0.2782, 0.3616)
contains.

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Color

Yxy(78.6549, 0.2782, 0.3617)

Conversions

Conversions Part 1

Format	Color
Hex	A2F6DA
RGB	162, 246, 218
RGB Percent	64%, 96%, 85%
CMY	0.3650, 0.0352, 0.1452
CMYK	0.34, 0.00, 0.11, 0.04
HSL	160°, 82%, 80%
HSV	160°, 34%, 96%
XYZ	60.4971, 78.6549, 78.3070
YIQ	217.6920, -41.0760, -26.5160

Conversions

Conversions Part 2

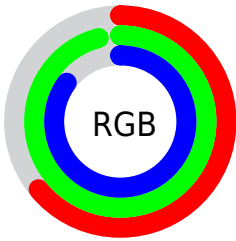
Format	Color
RYB	162, 212, 246
Decimal	10680026
CIELab	91.08, -31.44, 5.43
CIELCh	91, 31.909, 170.205
Yxy	78.6549, 0.2782, 0.3617
Android (android.graphics.Color)	4288870106 (0xFFA2F6DA)
YUV	217.6920, 0.1518, -48.8419
Hunter-Lab	88.6876, -33.4419, 9.7310

Details

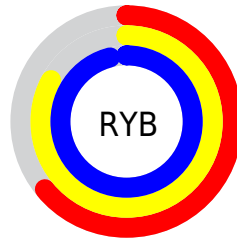
The Yxy color **78.6549, 0.2782, 0.3617** is a light color, and the websafe version is hex **99FFCC**. A complement of this color would be **49.1276, 0.3664, 0.2989**, and the grayscale version is **69.8981, 0.3127, 0.3290**.

A 20% lighter version of the original color is **93.8001, 0.2911, 0.3289**, and **42.1653, 0.2703, 0.3692** is the 20% darker color. If you saturate the color by 10%, you get **75.9113, 0.2701, 0.3732**, and if you desaturate by 10%, it is **81.9300, 0.2875, 0.3511**.

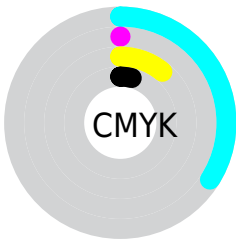
Distribution



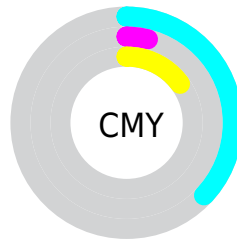
- Red (64%)
- Green (96%)
- Blue (85%)



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



- Cyan (34%)
- Magenta (0%)
- Yellow (11%)
- Black (4%)





- Cyan (37%)
- Magenta (4%)
- Yellow (15%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 78.6549, 0.2782, 0.3617 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 78.6549, 0.2782, 0.3617 by changing the saturation by 10% instead.


 78.6549, 0.2782,
0.3617


 78.6549, 0.2782,
0.3617


490.3881, 0.2941,
0.3465

 58.6121, 0.2746,
0.3652


 131.4729, 0.2837,
0.3564

 42.3010, 0.2702,
0.3696


 165.0169, 0.2858,
0.3543

 29.3370, 0.2646,
0.3751


203.8302, 0.2877,
0.3526

 19.3359, 0.2573,
0.3823

248.2970, 0.2893,
0.3510

 11.9133, 0.2474,
0.3923

298.8018, 0.2907,
0.3497

 6.6846, 0.2333,
0.4068

355.7290, 0.2920,

 3.2657, 0.2117,

0.3485

0.4297

419.4630, 0.2931,
0.3474

1.2720, 0.1516,
0.4844

0.1193, 0.0000,
1.0000

78.6549, 0.2782,
0.3617

78.6549, 0.2782,
0.3617

75.9113, 0.2701,
0.3732

81.9300, 0.2875,
0.3511

73.6599, 0.2633,
0.3853

85.7545, 0.2976,
0.3413

71.8708, 0.2584,
0.3979

90.1570, 0.3082,
0.3324

70.5072, 0.2553,
0.4108

94.1355, 0.3156,
0.3244

■ 69.5260, 0.2544,
0.4238

■ 94.4035, 0.3131,
0.3204

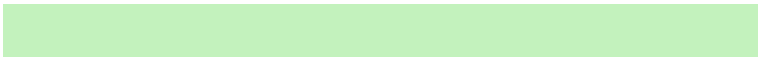
■ 68.8749, 0.2554,
0.4366

■ 68.6033, 0.2567,
0.4439

Harmonies

Analogous

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



78.6549, 0.3136, 0.3887



78.6549, 0.2782, 0.3617



78.6549, 0.2529, 0.3254

Triad

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



78.6549, 0.2782, 0.3617



78.6549, 0.2736, 0.2681



78.6549, 0.3876, 0.3581

Complementary

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



78.6549, 0.2782, 0.3617



49.1276, 0.3664, 0.2989

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.



78.6549, 0.3759, 0.3275



78.6549, 0.2782, 0.3617



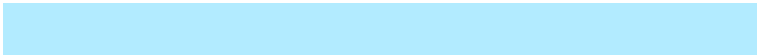
78.6549, 0.3082, 0.2776

Square

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



78.6549, 0.2782, 0.3617



78.6549, 0.2505, 0.2730



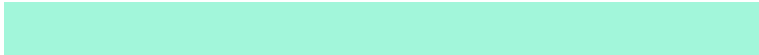
78.6549, 0.3462, 0.2989



78.6549, 0.3777, 0.3837

Rectangle

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



78.6549, 0.2782, 0.3617



78.6549, 0.2445, 0.3027



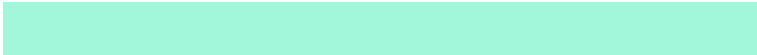
78.6549, 0.3462, 0.2989



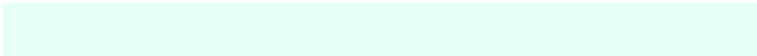
78.6549, 0.3861, 0.3481

Sweetspot

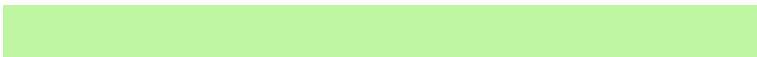
The Sweet Spot groups the original color and five complimentary colors.



78.6581, 0.2782, 0.3617



94.9448, 0.3019, 0.3375



79.6526, 0.3265, 0.4259



20.1811, 0.3005, 0.3388



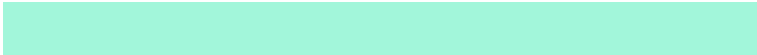
0.0000, 0.0000, 0.0000



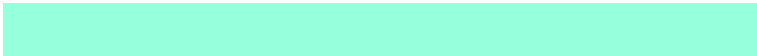
21.4041, 0.3127, 0.3290

Same Dimension

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



78.6581, 0.2782, 0.3617



83.2214, 0.2724, 0.3695



72.8366, 0.2623, 0.3144



18.6584, 0.3025, 0.3370



36.6382, 0.2561, 0.4419



3.2392, 0.2517, 0.4259

Inverse Universe

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



49.1276, 0.3664, 0.2989



46.7326, 0.3822, 0.2928



52.6839, 0.3891, 0.3429



16.5737, 0.3241, 0.3211



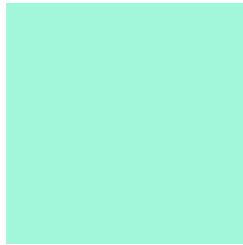
10.8065, 0.5642, 0.2882



0.9681, 0.5291, 0.2688

Previews

White Background



This preview shows how the Yxy color 78.6549, 0.2782, 0.3617 looks on a white background.

Color Contrast Check

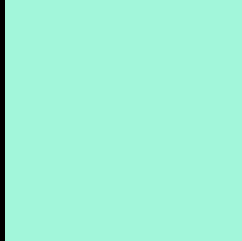
Large Text (above 18pt) WCAG AA × Fail

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 78.6549, 0.2782, 0.3617 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

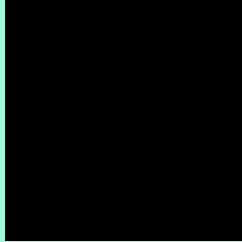
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 78.6549, 0.2782, 0.3617

Background



This preview shows how black text looks on a background with the Yxy color 78.6549, 0.2782, 0.3617.

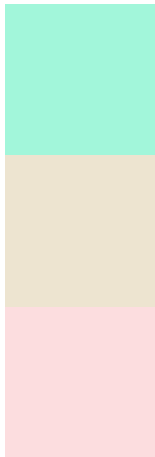


This preview shows how white text looks on a background with the Yxy color 78.6549, 0.2782, 0.3617.

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



Original Color

78.6549, 0.2782, 0.3617

Protanopia

78.0454, 0.3322, 0.3501

Deuteranopia

77.7361, 0.3337, 0.3270



Tritanopia

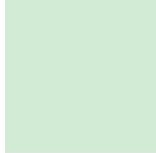
78.1928, 0.2686, 0.3103

Trichromacy



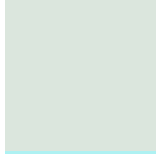
Original Color

78.6549, 0.2782, 0.3617



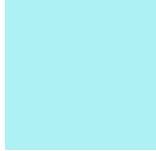
Protanomaly

77.8718, 0.3102, 0.3543



Deuteranomaly

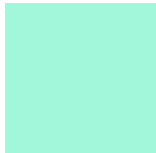
76.8742, 0.3109, 0.3387



Tritanomaly

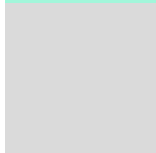
78.3201, 0.2718, 0.3278

Monochromacy



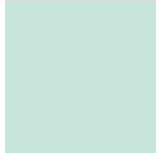
Original Color

78.6549, 0.2782, 0.3617



Achromatopsia

70.1102, 0.3127, 0.3290



Achromatomaly

72.5545, 0.2987, 0.3403

CSS Examples

Text

The CSS property to change the color of the text to Yxy 78.6549, 0.2782, 0.3617 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(162, 246, 218)` looks like.

```
.text, #text, p{  
    color:rgb(162, 246, 218)  
}
```

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(162, 246, 218) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(162, 246, 218) }
```

Border

The CSS property to change the border of an element to Yxy 78.6549, 0.2782, 0.3617 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(162, 246, 218) }
```

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

```
.border{ border-color:rgb(162, 246, 218) }
```

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

Here you see how a box with a 4 pixel `rgb(162, 246, 218)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(162, 246, 218); -webkit-box-shadow:4px 4px 4px 4px rgb(162, 246, 218); box-shadow:4px 4px 4px 4px rgb(162, 246, 218) }
```


Background

The CSS property to change the background color of an element to Yxy 78.6549, 0.2782, 0.3617 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(162, 246, 218) }
```

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

```
.background{ background-color: rgb(162,  
246, 218) }
```

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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