

Converting Colors

$Yxy(79.9262, 0.2799, 0.3620)$

Have a look what the booklet for
Yxy(79.9262, 0.2799, 0.3620)
contains.

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Color

Yxy(79.7430, 0.2799, 0.3614)

Conversions

Conversions Part 1

Format	Color
Hex	A6F7DB
RGB	166, 247, 219
RGB Percent	65%, 97%, 86%
CMY	0.3493, 0.0313, 0.1412
CMYK	0.33, 0.00, 0.11, 0.03
HSL	159°, 84%, 81%
HSV	159°, 33%, 97%
XYZ	61.7600, 79.7430, 79.1472
YIQ	219.5890, -39.2880, -25.8800

Conversions

Conversions Part 2

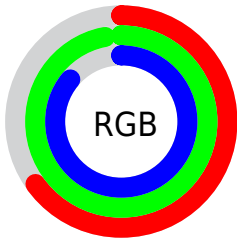
Format	Color
R _Y B	166, 215, 247
Decimal	10942427
CIE Lab	91.57, -30.59, 5.64
CIE LCh	92, 31.105, 169.558
Yxy	79.7430, 0.2799, 0.3614
Android (android.graphics.Color)	4289132507 (0xFFA6F7DB)
YUV	219.5890, -0.2904, -46.9976
Hunter-Lab	89.2989, -32.8208, 9.9595

Details

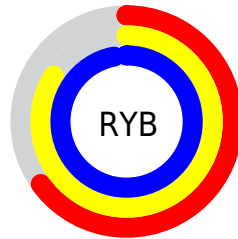
The Yxy color **79.7430, 0.2799, 0.3614** is a light color, and the websafe version is hex **99FFCC**. A complement of this color would be **50.9167, 0.3626, 0.2991**, and the grayscale version is **71.2823, 0.3127, 0.3290**.

A 20% lighter version of the original color is **94.4280, 0.2935, 0.3289**, and **42.8868, 0.2723, 0.3688** is the 20% darker color. If you saturate the color by 10%, you get **76.8914, 0.2717, 0.3732**, and if you desaturate by 10%, it is **83.1368, 0.2892, 0.3505**.

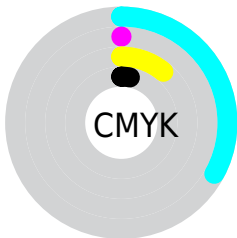
Distribution



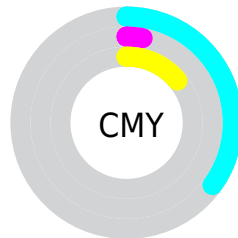
- Red (65%)
- Green (97%)
- Blue (86%)



- Red (65%)
- Yellow (84%)
- Blue (97%)



- Cyan (33%)
- Magenta (0%)
- Yellow (11%)
- Black (3%)



- Cyan (35%)
- Magenta (3%)
- Yellow (14%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 79.7430, 0.2799, 0.3614 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 79.7430, 0.2799, 0.3614 by changing the saturation by 10% instead.


 79.7430, 0.2799,
0.3614

 79.7430, 0.2799,
0.3614


494.0663, 0.2950,
0.3463

 59.5069, 0.2765,
0.3649


 133.0043, 0.2851,
0.3562

 43.0213, 0.2723,
0.3691


 166.7984, 0.2871,
0.3541

 29.9018, 0.2670,
0.3746


205.8805, 0.2889,
0.3524

 19.7641, 0.2601,
0.3817

250.6351, 0.2904,
0.3509

 12.2237, 0.2508,
0.3915

301.4466, 0.2918,
0.3495

 6.8962, 0.2375,
0.4057

358.6994, 0.2930,

 3.3973, 0.2171,

0.3483

422.7778, 0.2940,
0.3473

0.4281

1.3425, 0.1672,
0.4771

0.1737, 0.0000,
1.0000

79.7430, 0.2799,
0.3614

79.7430, 0.2799,
0.3614

76.8914, 0.2717,
0.3732

83.1368, 0.2892,
0.3505

74.5424, 0.2649,
0.3857

87.0904, 0.2992,
0.3404

72.6664, 0.2598,
0.3988

91.6326, 0.3097,
0.3314

71.2267, 0.2566,
0.4122

94.8940, 0.3142,
0.3231

■ 70.1808, 0.2554,
0.4257

■ 95.0131, 0.3131,
0.3214

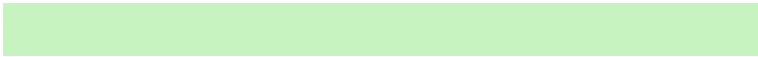
■ 69.4774, 0.2563,
0.4391

■ 69.1290, 0.2579,
0.4485

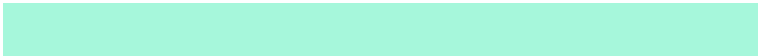
Harmonies

Analogous

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



79.7430, 0.3144, 0.3872



79.7430, 0.2799, 0.3614



79.7430, 0.2550, 0.3264

Triad

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



79.7430, 0.2799, 0.3614



79.7430, 0.2741, 0.2698



79.7430, 0.3853, 0.3568

Complementary

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



79.7430, 0.2799, 0.3614



50.9167, 0.3626, 0.2991

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.



79.7430, 0.3736, 0.3270



79.7430, 0.2799, 0.3614



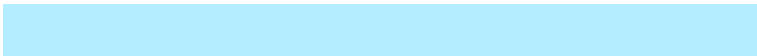
79.7430, 0.3076, 0.2787

Square

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



79.7430, 0.2799, 0.3614



79.7430, 0.2519, 0.2749



79.7430, 0.3444, 0.2992



79.7430, 0.3762, 0.3817

Rectangle

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



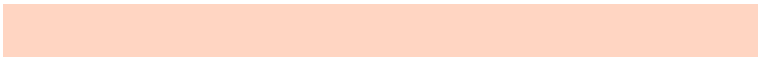
79.7430, 0.2799, 0.3614



79.7430, 0.2466, 0.3042



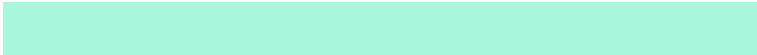
79.7430, 0.3444, 0.2992



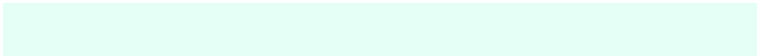
79.7430, 0.3837, 0.3470

Sweetspot

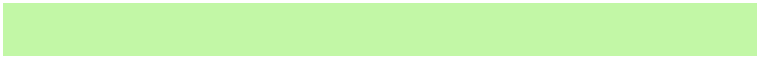
The Sweet Spot groups the original color and five complimentary colors.



79.7463, 0.2799, 0.3614



94.9257, 0.3021, 0.3378



80.7939, 0.3260, 0.4217



20.1765, 0.3006, 0.3391



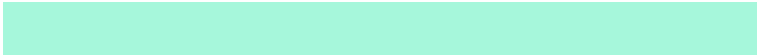
0.0000, 0.0000, 0.0000



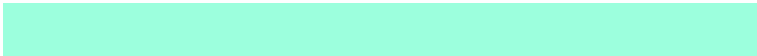
21.4041, 0.3127, 0.3290

Same Dimension

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



79.7463, 0.2799, 0.3614



83.7437, 0.2746, 0.3687



74.1495, 0.2641, 0.3150



18.6548, 0.3027, 0.3373



36.5815, 0.2573, 0.4463



3.2345, 0.2527, 0.4297

Inverse Universe

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



50.9167, 0.3626, 0.2991



48.6005, 0.3762, 0.2933



54.4052, 0.3850, 0.3424



16.5771, 0.3239, 0.3208



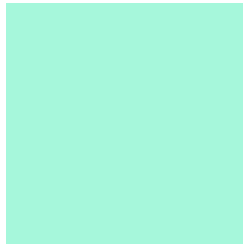
10.8319, 0.5595, 0.2856



0.9706, 0.5247, 0.2664

Previews

White Background



This preview shows how the Yxy color 79.7430, 0.2799, 0.3614 looks on a white background.

Color Contrast Check

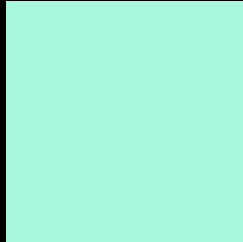
Large Text (above 18pt) WCAG AA × Fail

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 79.7430, 0.2799, 0.3614 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

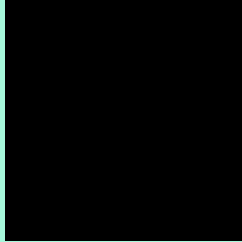
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 79.7430, 0.2799, 0.3614

Background



This preview shows how black text looks on a background with the Yxy color 79.7430, 0.2799, 0.3614.

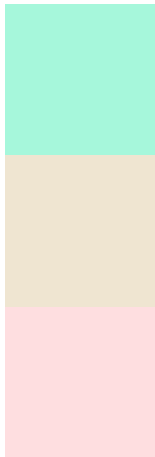


This preview shows how white text looks on a background with the Yxy color 79.7430, 0.2799, 0.3614.

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

79.7430, 0.2799, 0.3614

Protanopia

78.9928, 0.3328, 0.3499

Deuteranopia

78.6952, 0.3343, 0.3271



Tritanopia

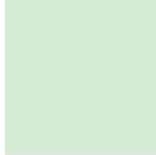
79.5178, 0.2720, 0.3116

Trichromacy



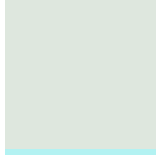
Original Color

79.7430, 0.2799, 0.3614



Protanomaly

78.7921, 0.3109, 0.3542



Deuteranomaly

77.9553, 0.3123, 0.3386



Tritanomaly

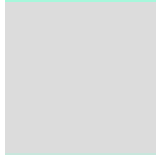
79.4988, 0.2746, 0.3289

Monochromacy



Original Color

79.7430, 0.2799, 0.3614



Achromatopsia

71.5694, 0.3127, 0.3290



Achromatomaly

74.0403, 0.2988, 0.3402

CSS Examples

Text

The CSS property to change the color of the text to Yxy 79.7430, 0.2799, 0.3614 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, 247, 219)` looks like.

```
.text, #text, p{  
    color:rgb(166, 247, 219)  
}
```

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, 247, 219) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(166, 247, 219) }
```

Border

The CSS property to change the border of an element to Yxy 79.7430, 0.2799, 0.3614 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, 247, 219) }
```

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

```
.border{ border-color:rgb(166, 247, 219) }
```

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

Here you see how a box with a 4 pixel `rgb(166, 247, 219)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(166, 247, 219); -webkit-box-  
shadow:4px 4px 4px 4px rgb(166, 247, 219);  
box-shadow:4px 4px 4px 4px rgb(166, 247,  
219) }
```


Background

The CSS property to change the background color of an element to Yxy 79.7430, 0.2799, 0.3614 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(166, 247, 219) }
```

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

```
.background{ background-color: rgb(166,  
247, 219) }
```

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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