

Converting Colors

$Yxy(79.3970, 0.2762, 0.3472)$

Have a look what the booklet for
Yxy(79.3970, 0.2762, 0.3472)
contains.

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Color

Yxy(79.3970, 0.2762, 0.3472)

Conversions

Conversions Part 1

Format	Color
Hex	A9F5E5
RGB	169, 245, 229
RGB Percent	66%, 96%, 90%
CMY	0.3371, 0.0392, 0.1020
CMYK	0.31, 0.00, 0.07, 0.04
HSL	167°, 79%, 81%
HSV	167°, 31%, 96%
XYZ	63.1609, 79.3970, 86.1201
YIQ	220.4520, -40.1600, -21.0880

Conversions

Conversions Part 2

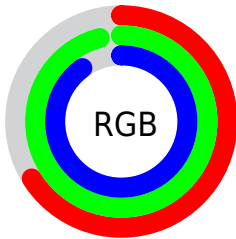
Format	Color
RYB	169, 211, 245
Decimal	11138533
CIELab	91.41, -26.67, 0.24
CIELCh	91, 26.669, 179.494
Yxy	79.3970, 0.2762, 0.3472
Android (android.graphics.Color)	4289328613 (0xFFA9F5E5)
YUV	220.4520, 4.2142, -45.1234
Hunter-Lab	89.1050, -29.4064, 5.0696

Details

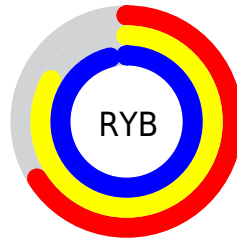
The Yxy color **79.3970, 0.2762, 0.3472** is a light color, and the websafe version is hex **99FFFF**. A complement of this color would be **51.3035, 0.3684, 0.3118**, and the grayscale version is **71.8989, 0.3127, 0.3290**.

A 20% lighter version of the original color is **94.9088, 0.2952, 0.3289**, and **42.5998, 0.2675, 0.3500** is the 20% darker color. If you saturate the color by 10%, you get **76.6550, 0.2664, 0.3541**, and if you desaturate by 10%, it is **82.6618, 0.2872, 0.3408**.

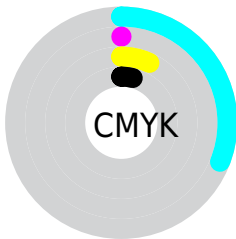
Distribution



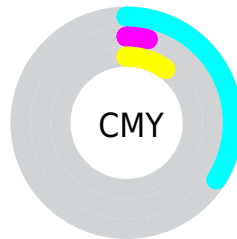
- Red (66%)
- Green (96%)
- Blue (90%)



- Red (66%)
- Yellow (83%)
- Blue (96%)



- Cyan (31%)
- Magenta (0%)
- Yellow (7%)
- Black (4%)





- Cyan (34%)
- Magenta (4%)
- Yellow (10%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 79.3970, 0.2762, 0.3472 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 79.3970, 0.2762, 0.3472 by changing the saturation by 10% instead.


 79.3970, 0.2762,
0.3472

 79.3970, 0.2762,
0.3472


492.8984, 0.2928,
0.3389

 59.2223, 0.2725,
0.3491

 132.5176, 0.2819,
0.3444

 42.7921, 0.2679,
0.3513


166.2323, 0.2841,
0.3432

 29.7220, 0.2622,
0.3542


205.2291, 0.2861,
0.3423

 19.6277, 0.2548,
0.3579

249.8923, 0.2877,
0.3414

 12.1247, 0.2449,
0.3628

300.6065, 0.2892,
0.3407

 6.8287, 0.2311,
0.3698


357.7560, 0.2906,


 3.3552, 0.2102,


0.3400


421.7251, 0.2917,
0.3395


0.3803


 1.3199, 0.1674,
0.4017


 0.1565, 0.0000,
0.5042


 79.3970, 0.2762,
0.3472


 79.3970, 0.2762,
0.3472


 76.6550, 0.2664,
0.3541


 82.6618, 0.2872,
0.3408


 74.3975, 0.2581,
0.3613


 86.4659, 0.2990,
0.3349

 72.5965, 0.2515,
0.3689

 90.8370, 0.3114,
0.3295


 71.2171, 0.2469,
0.3766

 93.4448, 0.3164,
0.3246

 70.2191, 0.2442,
0.3845

 93.7725, 0.3133,
0.3196

 69.5544, 0.2435,
0.3922

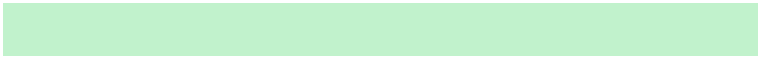
 93.7851, 0.3132,
0.3194

 69.1726, 0.2442,
0.3992

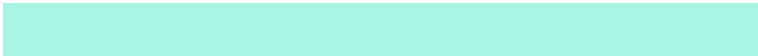
Harmonies

Analogous

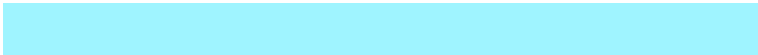
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



79.3970, 0.3041, 0.3727



79.3970, 0.2762, 0.3472



79.3970, 0.2584, 0.3173

Triad

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



79.3970, 0.2762, 0.3472



79.3970, 0.2883, 0.2789



79.3970, 0.3744, 0.3613

Complementary

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



79.3970, 0.2762, 0.3472



51.3035, 0.3684, 0.3118

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.



79.3970, 0.3701, 0.3362



79.3970, 0.2762, 0.3472



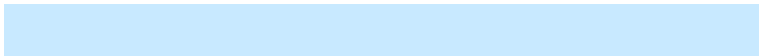
79.3970, 0.3191, 0.2903

Square

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



79.3970, 0.2762, 0.3472



79.3970, 0.2651, 0.2794



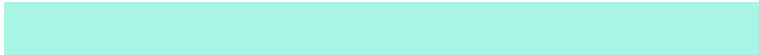
79.3970, 0.3495, 0.3108



79.3970, 0.3613, 0.3795

Rectangle

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



79.3970, 0.2762, 0.3472



79.3970, 0.2542, 0.2999



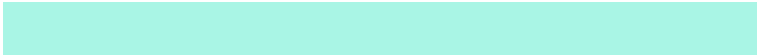
79.3970, 0.3495, 0.3108



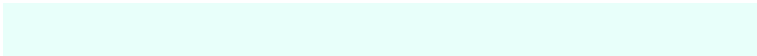
79.3970, 0.3750, 0.3533

Sweetspot

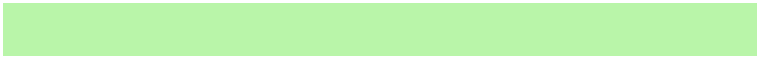
The Sweet Spot groups the original color and five complimentary colors.



79.4002, 0.2762, 0.3472



95.5967, 0.3014, 0.3338



78.5461, 0.3188, 0.4177



20.3196, 0.2997, 0.3346



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.



79.4002, 0.2762, 0.3472



85.0660, 0.2701, 0.3513



68.0605, 0.2652, 0.3041



18.6945, 0.3009, 0.3340



37.2855, 0.2439, 0.3979



3.2917, 0.2412, 0.3882

Inverse Universe

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



51.3035, 0.3684, 0.3118



49.9444, 0.3841, 0.3083



59.3457, 0.3763, 0.3525



16.5396, 0.3260, 0.3240



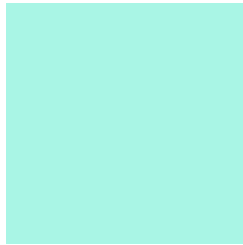
10.6058, 0.6047, 0.3105



0.9466, 0.5710, 0.2919

Previews

White Background



This preview shows how the Yxy color 79.3970, 0.2762, 0.3472 looks on a white background.

Color Contrast Check

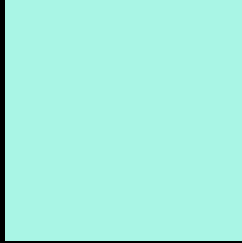
Large Text (above 18pt) WCAG AA × Fail

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 79.3970, 0.2762, 0.3472 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

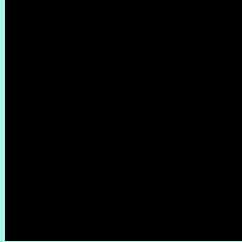
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

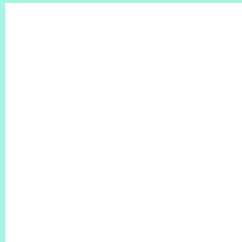
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 79.3970, 0.2762, 0.3472

Background



This preview shows how black text looks on a background with the Yxy color 79.3970, 0.2762, 0.3472.

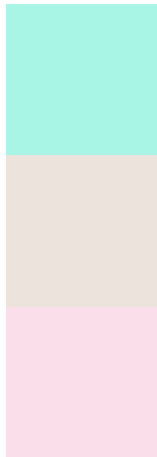


This preview shows how white text looks on a background with the Yxy color 79.3970, 0.2762, 0.3472.

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

79.3970, 0.2762, 0.3472

Protanopia

78.4870, 0.3235, 0.3374

Deuteranopia

78.5071, 0.3246, 0.3170



Tritanopia

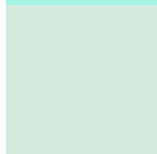
79.3921, 0.2714, 0.3115

Trichromacy



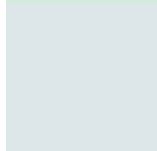
Original Color

79.3970, 0.2762, 0.3472



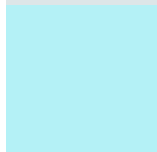
Protanomaly

78.1704, 0.3048, 0.3409



Deuteranomaly

77.7920, 0.3054, 0.3269



Tritanomaly

79.2677, 0.2730, 0.3234

Monochromacy



Original Color

79.3970, 0.2762, 0.3472



Achromatopsia

71.5694, 0.3127, 0.3290



Achromatomaly

73.7838, 0.2976, 0.3357

CSS Examples

Text

The CSS property to change the color of the text to Yxy 79.3970, 0.2762, 0.3472 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(169, 245, 229)` looks like.

```
.text, #text, p{  
    color:rgb(169, 245, 229)  
}
```

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(169, 245, 229) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(169, 245, 229) }
```

Border

The CSS property to change the border of an element to Yxy 79.3970, 0.2762, 0.3472 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(169, 245, 229) }
```

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

```
.border{ border-color:rgb(169, 245, 229) }
```

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

Here you see how a box with a 4 pixel `rgb(169, 245, 229)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(169, 245, 229); -webkit-box-  
shadow:4px 4px 4px 4px rgb(169, 245, 229);  
box-shadow:4px 4px 4px 4px rgb(169, 245,  
229) }
```


Background

The CSS property to change the background color of an element to Yxy 79.3970, 0.2762, 0.3472 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(169, 245, 229) }
```

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

```
.background{ background-color: rgb(169,  
245, 229) }
```

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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