

Converting Colors

$Y_{xy}(80.2286, 0.2732, 0.3494)$

Have a look what the booklet for
Yxy(80.2286, 0.2732, 0.3494)
contains.

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Color

Yxy(79.9652, 0.2733, 0.3496)

Conversions

Conversions Part 1

Format	Color
Hex	A3F7E5
RGB	163, 247, 229
RGB Percent	64%, 97%, 90%
CMY	0.3606, 0.0314, 0.1020
CMYK	0.34, 0.00, 0.07, 0.03
HSL	167°, 84%, 80%
HSV	167°, 34%, 97%
XYZ	62.5128, 79.9652, 86.2554
YIQ	219.8320, -44.2860, -23.4060

Conversions

Conversions Part 2

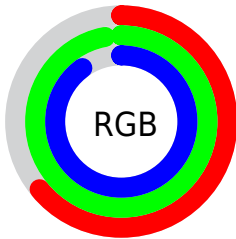
Format	Color
R _Y B	163, 210, 247
Decimal	10745829
CIE Lab	91.67, -29.27, 0.58
CIE LCh	92, 29.273, 178.865
Yxy	79.9652, 0.2733, 0.3496
Android (android.graphics.Color)	4288935909 (0xFFA3F7E5)
YUV	219.8320, 4.5198, -49.8417
Hunter-Lab	89.4233, -31.7073, 5.4067

Details

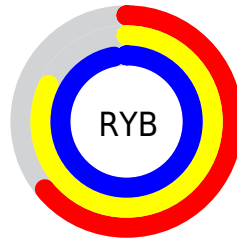
The Yxy color **79.9652, 0.2733, 0.3496** is a light color, and the websafe version is hex **99FFFF**. A complement of this color would be **49.3245, 0.3756, 0.3097**, and the grayscale version is **71.4461, 0.3127, 0.3290**.

A 20% lighter version of the original color is **93.9556, 0.2917, 0.3289**, and **43.0710, 0.2643, 0.3531** is the 20% darker color. If you saturate the color by 10%, you get **77.3182, 0.2640, 0.3567**, and if you desaturate by 10%, it is **83.1368, 0.2839, 0.3429**.

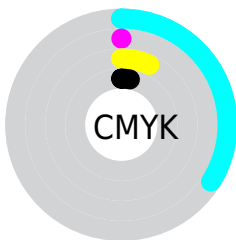
Distribution



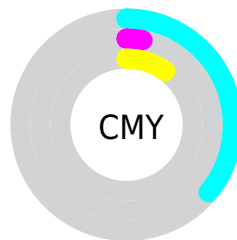
- Red (64%)
- Green (97%)
- Blue (90%)



- Red (64%)
- Yellow (82%)
- Blue (97%)



- Cyan (34%)
- Magenta (0%)
- Yellow (7%)
- Black (3%)




- Cyan (36%)
- Magenta (3%)
- Yellow (10%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 79.9652, 0.2733, 0.3496 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 79.9652, 0.2733, 0.3496 by changing the saturation by 10% instead.


 79.9652, 0.2733,
0.3496


 79.9652, 0.2733,
0.3496


494.8155, 0.2912,
0.3402

 59.6897, 0.2693,
0.3517


 133.3168, 0.2794,
0.3464

 43.1686, 0.2644,
0.3543


 167.1617, 0.2818,
0.3451

 30.0174, 0.2582,
0.3575


206.2986, 0.2839,
0.3440

 19.8518, 0.2503,
0.3617

251.1117, 0.2857,
0.3431

 12.2874, 0.2397,
0.3673

301.9856, 0.2874,
0.3422

 6.9397, 0.2249,
0.3752

359.3046, 0.2888,

 3.4244, 0.2027,

0.3415

0.3871

423.4531, 0.2900,
0.3408

■ 1.3571, 0.1558,
0.4119

■ 0.1848, 0.0000,
0.5349

■ 79.9652, 0.2733,
0.3496

■ 79.9652, 0.2733,
0.3496

■ 77.3182, 0.2640,
0.3567

■ 83.1368, 0.2839,
0.3429

■ 75.1565, 0.2562,
0.3643

■ 86.8509, 0.2955,
0.3367

■ 73.4501, 0.2502,
0.3720

■ 91.1361, 0.3077,
0.3311

■ 72.1622, 0.2462,
0.3800

■ 94.6942, 0.3159,
0.3260

■ 71.2498, 0.2441,
0.3880

■ 95.0005, 0.3131,
0.3214

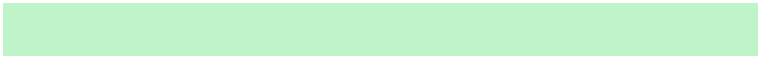
■ 70.6603, 0.2440,
0.3959

■ 70.4153, 0.2446,
0.4006

Harmonies

Analogous

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



79.9652, 0.3038, 0.3776



79.9652, 0.2733, 0.3496



79.9652, 0.2538, 0.3166

Triad

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



79.9652, 0.2733, 0.3496



79.9652, 0.2853, 0.2743



79.9652, 0.3804, 0.3635

Complementary

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



79.9652, 0.2733, 0.3496



49.3245, 0.3756, 0.3097

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.



79.9652, 0.3754, 0.3361



79.9652, 0.2733, 0.3496



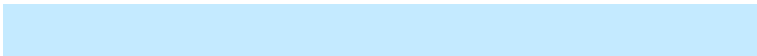
79.9652, 0.3188, 0.2865

Square

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



79.9652, 0.2733, 0.3496



79.9652, 0.2604, 0.2750



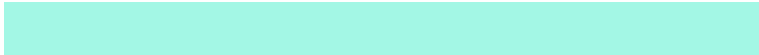
79.9652, 0.3523, 0.3086



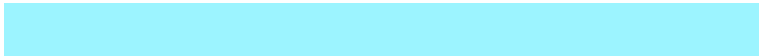
79.9652, 0.3663, 0.3839

Rectangle

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



79.9652, 0.2733, 0.3496



79.9652, 0.2490, 0.2975



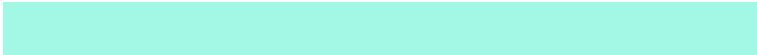
79.9652, 0.3523, 0.3086



79.9652, 0.3809, 0.3547

Sweetspot

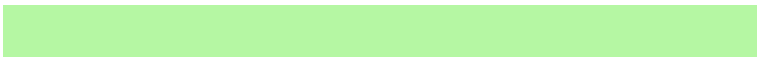
The Sweet Spot groups the original color and five complimentary colors.



79.9684, 0.2733, 0.3496



95.1329, 0.3003, 0.3344



79.0192, 0.3192, 0.4275



20.2268, 0.2986, 0.3352



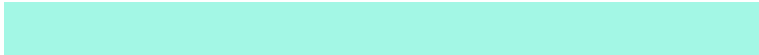
0.0000, 0.0000, 0.0000



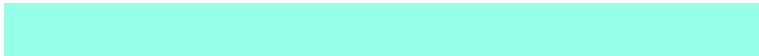
21.4041, 0.3127, 0.3290

Same Dimension

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



79.9684, 0.2733, 0.3496



83.9051, 0.2665, 0.3546



67.3961, 0.2609, 0.3013



18.6933, 0.3009, 0.3341



37.2627, 0.2442, 0.3993



3.2898, 0.2415, 0.3894

Inverse Universe

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



49.3245, 0.3756, 0.3097



46.2293, 0.3951, 0.3057



57.8905, 0.3844, 0.3549



16.5407, 0.3260, 0.3239



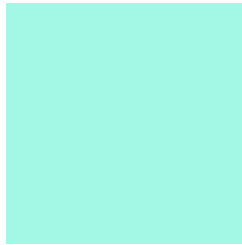
10.6107, 0.6036, 0.3099



0.9471, 0.5698, 0.2912

Previews

White Background



This preview shows how the Yxy color 79.9652, 0.2733, 0.3496 looks on a white background.

Color Contrast Check

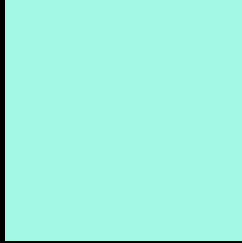
Large Text (above 18pt) WCAG AA × Fail

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 79.9652, 0.2733, 0.3496 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

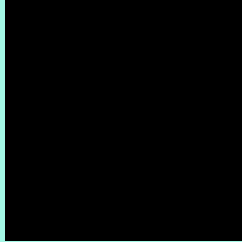
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

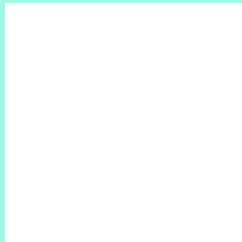
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 79.9652, 0.2733, 0.3496

Background



This preview shows how black text looks on a background with the Yxy color 79.9652, 0.2733, 0.3496.

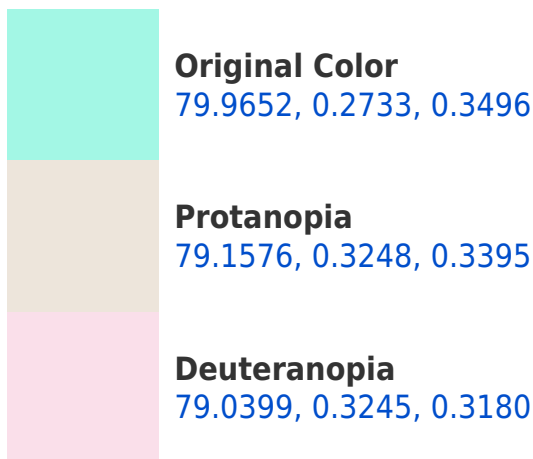


This preview shows how white text looks on a background with the Yxy color 79.9652, 0.2733, 0.3496.

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

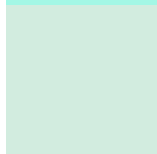
79.9793, 0.2715, 0.3126

Trichromacy



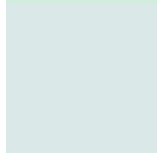
Original Color

79.9652, 0.2733, 0.3496



Protanomaly

79.0203, 0.3035, 0.3431



Deuteranomaly

78.4448, 0.3034, 0.3290



Tritanomaly

80.2200, 0.2721, 0.3256

Monochromacy



Original Color

79.9652, 0.2733, 0.3496



Achromatopsia

71.5694, 0.3127, 0.3290



Achromatomaly

74.0635, 0.2964, 0.3368

CSS Examples

Text

The CSS property to change the color of the text to Yxy 79.9652, 0.2733, 0.3496 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(163, 247, 229)` looks like.

```
.text, #text, p{  
    color:rgb(163, 247, 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(163, 247, 229) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(163, 247, 229) }
```

Border

The CSS property to change the border of an element to Yxy 79.9652, 0.2733, 0.3496 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(163, 247, 229) }
```

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

```
.border{ border-color:rgb(163, 247, 229) }
```

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

Here you see how a box with a 4 pixel `rgb(163, 247, 229)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(163, 247, 229); -webkit-box-  
shadow:4px 4px 4px 4px rgb(163, 247, 229);  
box-shadow:4px 4px 4px 4px rgb(163, 247,  
229) }
```


Background

The CSS property to change the background color of an element to Yxy 79.9652, 0.2733, 0.3496 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(163, 247, 229) }
```

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

```
.background{ background-color: rgb(163,  
247, 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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