

Converting Colors

$Yxy(79.8002, 0.2658, 0.3313)$

Have a look what the booklet for
Yxy(79.8002, 0.2658, 0.3313)
contains.

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Color

Yxy(79.5624, 0.2661, 0.3311)

Conversions

Conversions Part 1

Format	Color
Hex	A3F5F3
RGB	163, 245, 243
RGB Percent	64%, 96%, 95%
CMY	0.3606, 0.0392, 0.0470
CMYK	0.33, 0.00, 0.01, 0.04
HSL	179°, 80%, 80%
HSV	179°, 33%, 96%
XYZ	63.9431, 79.5624, 96.7917
YIQ	220.2540, -48.2300, -18.0060

Conversions

Conversions Part 2

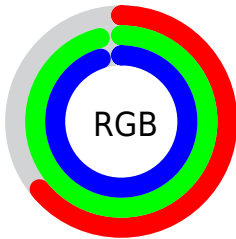
Format	Color
R_{YB}	163, 205, 245
Decimal	10745331
CIE _{Lab}	91.49, -25.20, -6.98
CIE _{LCh}	91, 26.145, 195.484
Y _{xy}	79.5624, 0.2661, 0.3311
Android (android.graphics.Color)	4288935411 (0xFFA3F5F3)
YUV	220.2540, 11.2138, -50.2118
Hunter-Lab	89.1978, -28.1350, -1.8993

Details

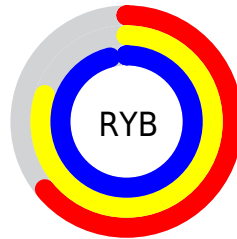
The Yxy color **79.5624, 0.2661, 0.3311** is a light color, and the websafe version is hex **99FFFF**. A complement of this color would be **48.3416, 0.3894, 0.3271**, and the grayscale version is **71.7117, 0.3127, 0.3290**.

A 20% lighter version of the original color is **93.9556, 0.2917, 0.3289**, and **43.1088, 0.2558, 0.3318** is the 20% darker color. If you saturate the color by 10%, you get **77.1884, 0.2550, 0.3318**, and if you desaturate by 10%, it is **82.4438, 0.2787, 0.3304**.

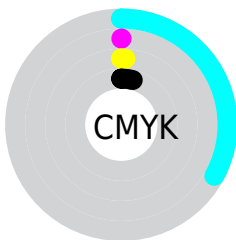
Distribution



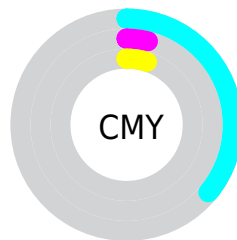
- Red (64%)
- Green (96%)
- Blue (95%)



- Red (64%)
- Yellow (80%)
- Blue (96%)



- Cyan (33%)
- Magenta (0%)
- Yellow (1%)
- Black (4%)




- Cyan (36%)
- Magenta (4%)
- Yellow (5%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 79.5624, 0.2661, 0.3311 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 79.5624, 0.2661, 0.3311 by changing the saturation by 10% instead.


 79.5624, 0.2661,
0.3311


 79.5624, 0.2661,
0.3311


493.4569, 0.2871,
0.3305

 59.3583, 0.2615,
0.3312


 132.7503, 0.2733,
0.3310

 42.9016, 0.2558,
0.3312

 166.5029, 0.2761,
0.3309

 29.8079, 0.2488,
0.3312


205.5405, 0.2785,
0.3308

 19.6929, 0.2397,
0.3310

250.2475, 0.2806,
0.3307

 12.1720, 0.2278,
0.3306

301.0082, 0.2825,
0.3307

 6.8609, 0.2113,
0.3297


358.2071, 0.2842,


 3.3753, 0.1872,

0.3306

422.2285, 0.2857,
0.3306


0.3276


 1.3306, 0.1444,
0.3236


 0.1647, 0.0000,
0.1980


 79.5624, 0.2661,
0.3311


 79.5624, 0.2661,
0.3311


 77.1884, 0.2550,
0.3318


 82.4438, 0.2787,
0.3304


 75.2833, 0.2456,
0.3326

 85.8499, 0.2926,
0.3298

 73.8182, 0.2382,
0.3334

 89.8085, 0.3074,
0.3292

 72.7572, 0.2327,
0.3342

 93.1777, 0.3190,
0.3286

■ 72.0586, 0.2291,
0.3349

■ 93.2140, 0.3186,
0.3281

■ 71.6718, 0.2272,
0.3357

■ 93.2504, 0.3182,
0.3275

■ 71.5382, 0.2267,
0.3362

■ 93.2869, 0.3179,
0.3269

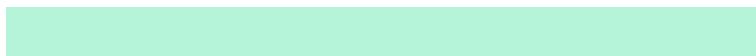
■ 93.3235, 0.3175,
0.3264

■ 93.3603, 0.3172,
0.3258

Harmonies

Analogous

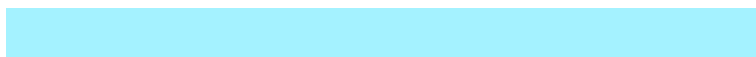
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



79.5624, 0.2888, 0.3597



79.5624, 0.2661, 0.3311



79.5624, 0.2557, 0.3036

Triad

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



79.5624, 0.2661, 0.3311



79.5624, 0.3044, 0.2845



79.5624, 0.3682, 0.3714

Complementary

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



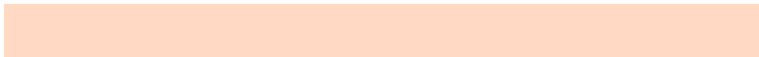
79.5624, 0.2661, 0.3311



48.3416, 0.3894, 0.3271

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.



79.5624, 0.3734, 0.3497



79.5624, 0.2661, 0.3311



79.5624, 0.3355, 0.3009

Square

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



79.5624, 0.2661, 0.3311



79.5624, 0.2769, 0.2785



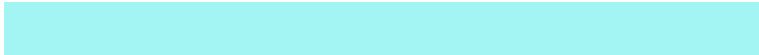
79.5624, 0.3612, 0.3242



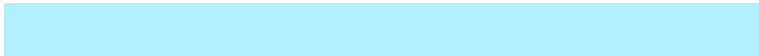
79.5624, 0.3479, 0.3831

Rectangle

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



79.5624, 0.2661, 0.3311



79.5624, 0.2566, 0.2899



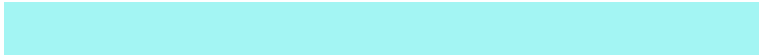
79.5624, 0.3612, 0.3242



79.5624, 0.3718, 0.3650

Sweetspot

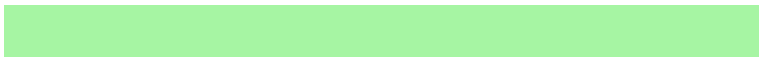
The Sweet Spot groups the original color and five complimentary colors.



79.5656, 0.2661, 0.3311



95.4408, 0.2976, 0.3296



76.0313, 0.3097, 0.4285



20.3018, 0.2955, 0.3297



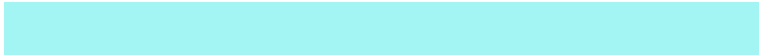
0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

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



79.5656, 0.2661, 0.3311



85.3546, 0.2585, 0.3316



58.8907, 0.2593, 0.2836



18.7505, 0.2984, 0.3295



38.5441, 0.2267, 0.3361



3.3898, 0.2264, 0.3351

Inverse Universe

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



48.3416, 0.3894, 0.3271



46.4246, 0.4123, 0.3267



63.9669, 0.3775, 0.3702



16.4890, 0.3290, 0.3285



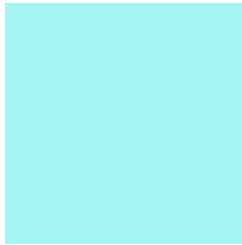
10.4678, 0.6375, 0.3286



0.9223, 0.6311, 0.3250

Previews

White Background



This preview shows how the Yxy color 79.5624, 0.2661, 0.3311 looks on a white background.

Color Contrast Check

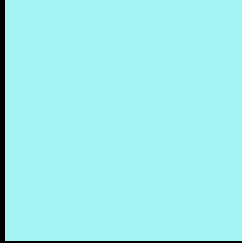
Large Text (above 18pt) WCAG AA × Fail

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 79.5624, 0.2661, 0.3311 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

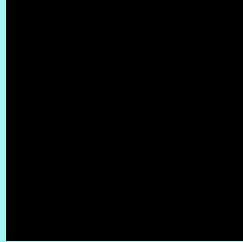
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 79.5624, 0.2661, 0.3311

Background



This preview shows how black text looks on a background with the Yxy color 79.5624, 0.2661, 0.3311.

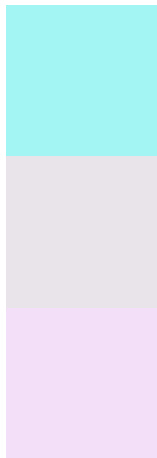


This preview shows how white text looks on a background with the Yxy color 79.5624, 0.2661, 0.3311.

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

79.5624, 0.2661, 0.3311

Protanopia

78.5258, 0.3123, 0.3238

Deuteranopia

78.7858, 0.3111, 0.3040



Tritanopia

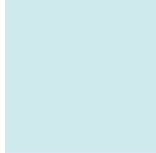
79.0203, 0.2698, 0.3114

Trichromacy



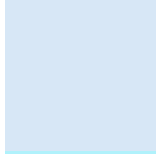
Original Color

79.5624, 0.2661, 0.3311



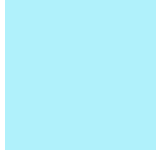
Protanomaly

78.2255, 0.2933, 0.3257



Deuteranomaly

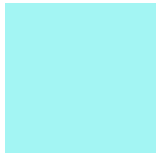
78.2527, 0.2930, 0.3131



Tritanomaly

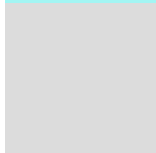
79.1057, 0.2683, 0.3178

Monochromacy



Original Color

79.5624, 0.2661, 0.3311



Achromatopsia

71.5694, 0.3127, 0.3290



Achromatomaly

73.7822, 0.2933, 0.3301

CSS Examples

Text

The CSS property to change the color of the text to Yxy 79.5624, 0.2661, 0.3311 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, 245, 243)` looks like.

```
.text, #text, p{  
    color:rgb(163, 245, 243)  
}
```

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, 245, 243) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(163, 245, 243) }
```

Border

The CSS property to change the border of an element to Yxy 79.5624, 0.2661, 0.3311 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, 245, 243) }
```

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

```
.border{ border-color:rgb(163, 245, 243) }
```

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

Here you see how a box with a 4 pixel `rgb(163, 245, 243)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(163, 245, 243); -webkit-box-  
shadow:4px 4px 4px 4px rgb(163, 245, 243);  
box-shadow:4px 4px 4px 4px rgb(163, 245,  
243) }
```


Background

The CSS property to change the background color of an element to Yxy 79.5624, 0.2661, 0.3311 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(163, 245, 243) }
```

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

```
.background{ background-color: rgb(163,  
245, 243) }
```

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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