

Converting Colors

$Yxy(77.2403, 0.2685, 0.3455)$

Have a look what the booklet for
Yxy(77.2403, 0.2685, 0.3455)
contains.

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Color

Yxy(77.3831, 0.2683, 0.3452)

Conversions

Conversions Part 1

Format	Color
Hex	9BF4E6
RGB	155, 244, 230
RGB Percent	61%, 96%, 90%
CMY	0.3924, 0.0431, 0.0980
CMYK	0.37, 0.00, 0.06, 0.04
HSL	171°, 80%, 78%
HSV	171°, 37%, 96%
XYZ	60.1445, 77.3831, 86.6413
YIQ	215.7930, -48.5500, -23.2220

Conversions

Conversions Part 2

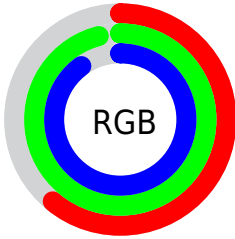
Format	Color
R _Y B	155, 203, 244
Decimal	10220774
CIE Lab	90.50, -29.78, -1.72
CIE LCh	90, 29.829, 183.298
Yxy	77.3831, 0.2683, 0.3452
Android (android.graphics.Color)	4288410854 (0xFF9BF4E6)
YUV	215.7930, 7.0041, -53.3155
Hunter-Lab	87.9677, -31.9009, 3.1813

Details

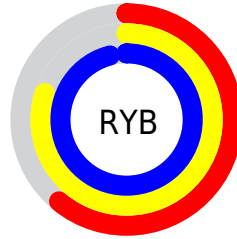
The Yxy color **77.3831, 0.2683, 0.3452** is a light color, and the websafe version is hex **99FFFF**. A complement of this color would be **45.5216, 0.3874, 0.3139**, and the grayscale version is **68.4914, 0.3127, 0.3290**.

A 20% lighter version of the original color is **92.7370, 0.2872, 0.3289**, and **41.2884, 0.2579, 0.3474** is the 20% darker color. If you saturate the color by 10%, you get **74.9990, 0.2588, 0.3504**, and if you desaturate by 10%, it is **80.2659, 0.2792, 0.3403**.

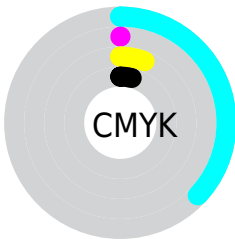
Distribution



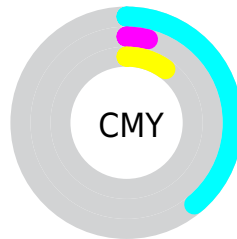
- Red (61%)
- Green (96%)
- Blue (90%)



- Red (61%)
- Yellow (80%)
- Blue (96%)



- Cyan (37%)
- Magenta (0%)
- Yellow (6%)
- Black (4%)





- Cyan (39%)
- Magenta (4%)
- Yellow (10%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 77.3831, 0.2683, 0.3452 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 77.3831, 0.2683, 0.3452 by changing the saturation by 10% instead.


 77.3831, 0.2683,
0.3452


 77.3831, 0.2683,
0.3452


486.0692, 0.2885,
0.3379

 57.5674, 0.2638,
0.3468


 129.6801, 0.2752,
0.3427

 41.4609, 0.2582,
0.3488


 162.9302, 0.2780,
0.3417

 28.6794, 0.2513,
0.3512


201.4272, 0.2803,
0.3409

 18.8384, 0.2423,
0.3543

245.5554, 0.2824,
0.3402

 11.5536, 0.2303,
0.3584

295.6993, 0.2842,
0.3395

 6.4405, 0.2136,
0.3640


352.2434, 0.2858,


 3.1147, 0.1885,


0.3389


415.5719, 0.2872,
0.3384


0.3722


 1.1919, 0.1251,
0.3948


 0.0551, 0.0000,
0.2344


 77.3831, 0.2683,
0.3452


 77.3831, 0.2683,
0.3452


 74.9990, 0.2588,
0.3504


 80.2659, 0.2792,
0.3403


 73.0746, 0.2510,
0.3558

 83.6652, 0.2912,
0.3357

 71.5802, 0.2451,
0.3614

 87.6091, 0.3041,
0.3315

 70.4788, 0.2411,
0.3671

 92.1213, 0.3174,
0.3277

■ 69.7268, 0.2390,
0.3727

■ 92.8203, 0.3167,
0.3240

■ 69.2698, 0.2388,
0.3783

■ 93.0623, 0.3144,
0.3204

■ 69.1494, 0.2390,
0.3803

■ 93.1890, 0.3132,
0.3185

Harmonies

Analogous

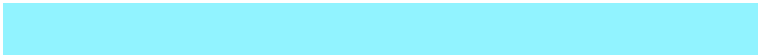
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



77.3831, 0.2984, 0.3757



77.3831, 0.2683, 0.3452



77.3831, 0.2504, 0.3115

Triad

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



77.3831, 0.2683, 0.3452



77.3831, 0.2892, 0.2739



77.3831, 0.3815, 0.3681

Complementary

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



77.3831, 0.2683, 0.3452



45.5216, 0.3874, 0.3139

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.



77.3831, 0.3793, 0.3405



77.3831, 0.2683, 0.3452



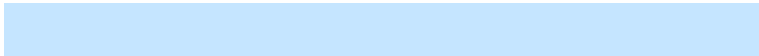
77.3831, 0.3244, 0.2881

Square

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



77.3831, 0.2683, 0.3452



77.3831, 0.2619, 0.2725



77.3831, 0.3580, 0.3119



77.3831, 0.3643, 0.3876

Rectangle

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



77.3831, 0.2683, 0.3452



77.3831, 0.2471, 0.2927



77.3831, 0.3580, 0.3119



77.3831, 0.3830, 0.3595

Sweetspot

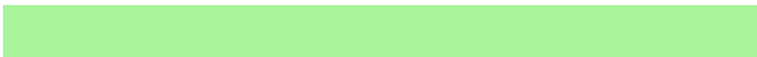
The Sweet Spot groups the original color and five complimentary colors.



77.3862, 0.2683, 0.3452



94.7821, 0.2982, 0.3334



75.5962, 0.3166, 0.4368



20.1609, 0.2964, 0.3339



0.0000, 0.0000, 0.0000



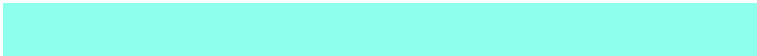
21.4041, 0.3127, 0.3290

Same Dimension

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



77.3862, 0.2683, 0.3452



83.4779, 0.2610, 0.3491



61.7523, 0.2565, 0.2935



18.7104, 0.3002, 0.3327



37.6120, 0.2387, 0.3794



3.3175, 0.2368, 0.3723

Inverse Universe

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



45.5216, 0.3874, 0.3139



43.3980, 0.4112, 0.3108



56.1448, 0.3896, 0.3616



16.5250, 0.3269, 0.3253



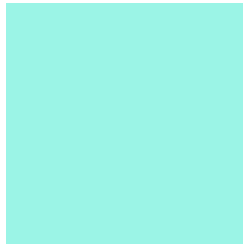
10.5478, 0.6179, 0.3178



0.9393, 0.5872, 0.3009

Previews

White Background



This preview shows how the Yxy color 77.3831, 0.2683, 0.3452 looks on a white background.

Color Contrast Check

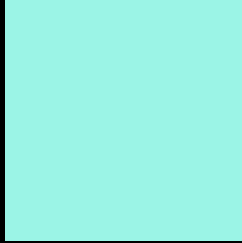
Large Text (above 18pt) WCAG AA × Fail

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 77.3831, 0.2683, 0.3452 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

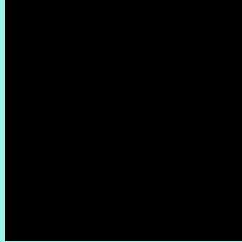
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 77.3831, 0.2683, 0.3452

Background



This preview shows how black text looks on a background with the Yxy color 77.3831, 0.2683, 0.3452.

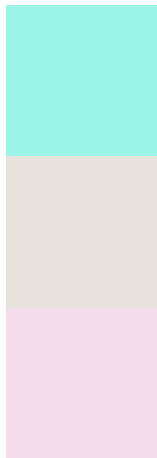


This preview shows how white text looks on a background with the Yxy color 77.3831, 0.2683, 0.3452.

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

77.3831, 0.2683, 0.3452

Protanopia

76.7158, 0.3208, 0.3354

Deuteranopia

76.5970, 0.3205, 0.3138



Tritanopia

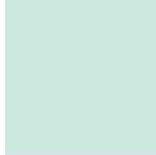
77.1397, 0.2638, 0.3100

Trichromacy



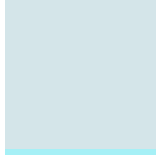
Original Color

77.3831, 0.2683, 0.3452



Protanomaly

76.4970, 0.2990, 0.3389



Deuteranomaly

75.9189, 0.2988, 0.3246



Tritanomaly

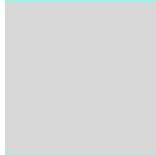
77.0810, 0.2654, 0.3221

Monochromacy



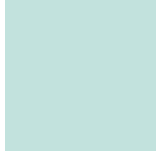
Original Color

77.3831, 0.2683, 0.3452



Achromatopsia

68.6685, 0.3127, 0.3290



Achromatomaly

71.0825, 0.2942, 0.3346

CSS Examples

Text

The CSS property to change the color of the text to Yxy 77.3831, 0.2683, 0.3452 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(155, 244, 230)` looks like.

```
.text, #text, p{  
    color:rgb(155, 244, 230)  
}
```

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(155, 244, 230) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(155, 244, 230) }
```

Border

The CSS property to change the border of an element to Yxy 77.3831, 0.2683, 0.3452 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(155, 244, 230) }
```

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

```
.border{ border-color:rgb(155, 244, 230) }
```

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

Here you see how a box with a 4 pixel `rgb(155, 244, 230)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(155, 244, 230); -webkit-box-  
shadow:4px 4px 4px 4px rgb(155, 244, 230);  
box-shadow:4px 4px 4px 4px rgb(155, 244,  
230) }
```


Background

The CSS property to change the background color of an element to Yxy 77.3831, 0.2683, 0.3452 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(155, 244, 230) }
```

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

```
.background{ background-color: rgb(155,  
244, 230) }
```

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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