

Converting Colors

$Yxy(80.7044, 0.2693, 0.3403)$

Have a look what the booklet for
Yxy(80.7044, 0.2693, 0.3403)
contains.

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Color

Yxy(80.4225, 0.2693, 0.3403)

Conversions

Conversions Part 1

Format	Color
Hex	A3F7ED
RGB	163, 247, 237
RGB Percent	64%, 97%, 93%
CMY	0.3609, 0.0313, 0.0707
CMYK	0.34, 0.00, 0.04, 0.03
HSL	173°, 84%, 80%
HSV	173°, 34%, 97%
XYZ	63.6432, 80.4225, 92.2625
YIQ	220.7440, -46.8540, -20.9180

Conversions

Conversions Part 2

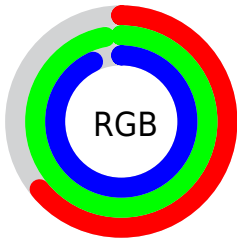
Format	Color
R _Y B	163, 208, 247
Decimal	10745837
CIE Lab	91.87, -27.55, -3.27
CIE LCh	92, 27.738, 186.764
Yxy	80.4225, 0.2693, 0.3403
Android (android.graphics.Color)	4288935917 (0xFFA3F7ED)
YUV	220.7440, 8.0142, -50.6415
Hunter-Lab	89.6786, -30.2595, 1.7767

Details

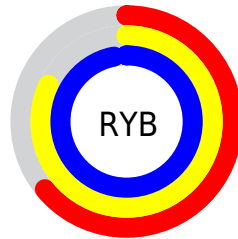
The Yxy color **80.4225, 0.2693, 0.3403** is a light color, and the websafe version is hex **99FFFF**. A complement of this color would be **48.9812, 0.3834, 0.3183**, and the grayscale version is **72.0820, 0.3127, 0.3290**.

A 20% lighter version of the original color is **93.9556, 0.2917, 0.3289**, and **43.2889, 0.2595, 0.3423** is the 20% darker color. If you saturate the color by 10%, you get **77.8973, 0.2591, 0.3442**, and if you desaturate by 10%, it is **83.4662, 0.2809, 0.3367**.

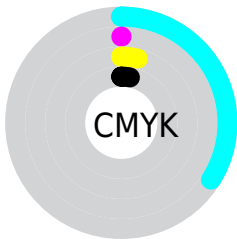
Distribution



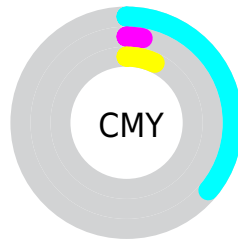
- Red (64%)
- Green (97%)
- Blue (93%)



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



- Cyan (34%)
- Magenta (0%)
- Yellow (4%)
- Black (3%)




- Cyan (36%)
- Magenta (3%)
- Yellow (7%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 80.4225, 0.2693, 0.3403 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 80.4225, 0.2693, 0.3403 by changing the saturation by 10% instead.

 80.4225, 0.2693,
0.3403


 80.4225, 0.2693,
0.3403


496.3555, 0.2889,
0.3354

 60.0661, 0.2650,
0.3414


 133.9596, 0.2760,
0.3386

 43.4719, 0.2597,
0.3426


 167.9090, 0.2786,
0.3380

 30.2556, 0.2530,
0.3442


207.1583, 0.2809,
0.3374

 20.0326, 0.2445,
0.3461

252.0918, 0.2829,
0.3369

 12.4188, 0.2333,
0.3486

303.0938, 0.2846,
0.3365

 7.0296, 0.2176,
0.3519

360.5489, 0.2862,

 3.4806, 0.1945,

0.3361

424.8413, 0.2876,
0.3357

0.3563

1.3875, 0.1517,
0.3647

0.2075, 0.0000,
0.3135

80.4225, 0.2693,
0.3403

80.4225, 0.2693,
0.3403

77.8973, 0.2591,
0.3442

83.4662, 0.2809,
0.3367

75.8510, 0.2506,
0.3482

87.0461, 0.2936,
0.3333

74.2541, 0.2439,
0.3523

91.1907, 0.3071,
0.3302


73.0695, 0.2391,
0.3565


94.6147, 0.3168,
0.3273

 72.2544, 0.2363,
0.3608

 94.8002, 0.3150,
0.3245

 71.7563, 0.2353,
0.3649

 94.9886, 0.3133,
0.3217

 71.5640, 0.2354,
0.3674

 95.0090, 0.3131,
0.3214

Harmonies

Analogous

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



80.4225, 0.2961, 0.3690



80.4225, 0.2693, 0.3403



80.4225, 0.2542, 0.3098

Triad

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



80.4225, 0.2693, 0.3403



80.4225, 0.2947, 0.2791



80.4225, 0.3748, 0.3678

Complementary

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



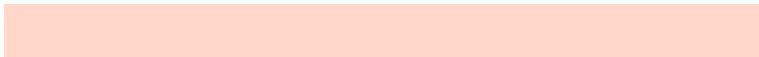
80.4225, 0.2693, 0.3403



48.9812, 0.3834, 0.3183

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.



80.4225, 0.3750, 0.3430



80.4225, 0.2693, 0.3403



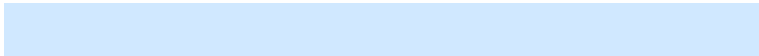
80.4225, 0.3273, 0.2934

Square

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



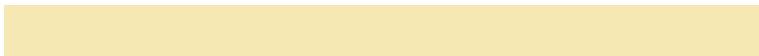
80.4225, 0.2693, 0.3403



80.4225, 0.2683, 0.2764



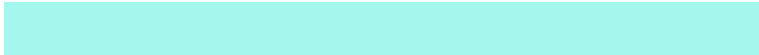
80.4225, 0.3572, 0.3163



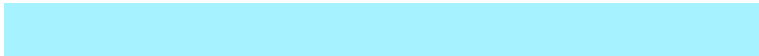
80.4225, 0.3574, 0.3841

Rectangle

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



80.4225, 0.2693, 0.3403



80.4225, 0.2523, 0.2933



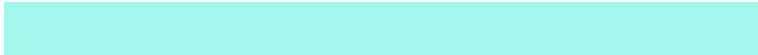
80.4225, 0.3572, 0.3163



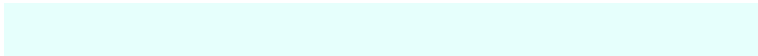
80.4225, 0.3770, 0.3601

Sweetspot

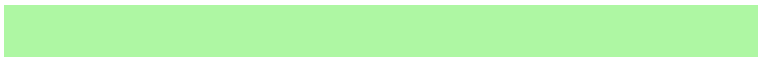
The Sweet Spot groups the original color and five complimentary colors.



80.4257, 0.2693, 0.3403



95.2856, 0.2989, 0.3320



78.1923, 0.3147, 0.4290



20.2640, 0.2970, 0.3324



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

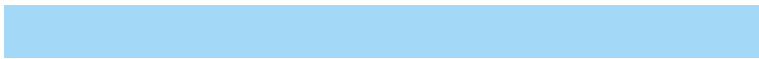
The Same Dimension uses a secret algorithm to generate beautiful new colors.



80.4257, 0.2693, 0.3403



84.4878, 0.2620, 0.3430



63.7146, 0.2597, 0.2929



18.7217, 0.2997, 0.3318



37.8577, 0.2352, 0.3667



3.3368, 0.2337, 0.3615

Inverse Universe

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



48.9812, 0.3834, 0.3183



45.8591, 0.4055, 0.3161



60.9105, 0.3819, 0.3623



16.5147, 0.3275, 0.3262



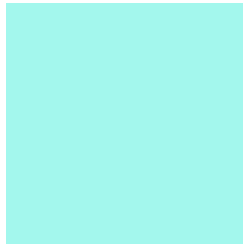
10.5168, 0.6254, 0.3219



0.9345, 0.5988, 0.3072

Previews

White Background



This preview shows how the Yxy color 80.4225, 0.2693, 0.3403 looks on a white background.

Color Contrast Check

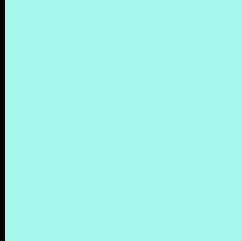
Large Text (above 18pt) WCAG AA × Fail

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 80.4225, 0.2693, 0.3403 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

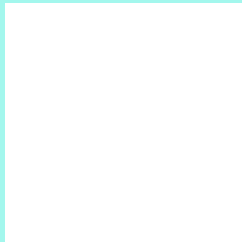
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 80.4225, 0.2693, 0.3403

Background



This preview shows how black text looks on a background with the Yxy color 80.4225, 0.2693, 0.3403.

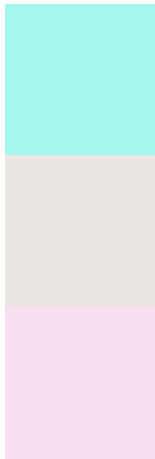


This preview shows how white text looks on a background with the Yxy color 80.4225, 0.2693, 0.3403.

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

80.4225, 0.2693, 0.3403

Protanopia

79.9725, 0.3188, 0.3321

Deuteranopia

79.6786, 0.3177, 0.3110



Tritanopia

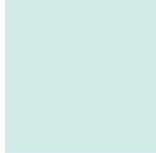
80.1050, 0.2721, 0.3127

Trichromacy



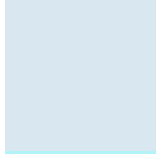
Original Color

80.4225, 0.2693, 0.3403



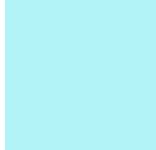
Protanomaly

79.3157, 0.2981, 0.3344



Deuteranomaly

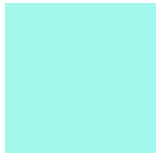
78.7562, 0.2979, 0.3205



Tritanomaly

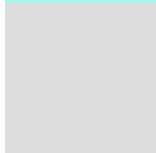
80.3435, 0.2711, 0.3234

Monochromacy



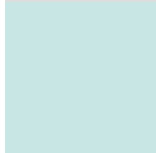
Original Color

80.4225, 0.2693, 0.3403



Achromatopsia

72.3055, 0.3127, 0.3290



Achromatomaly

74.4190, 0.2946, 0.3323

CSS Examples

Text

The CSS property to change the color of the text to Yxy 80.4225, 0.2693, 0.3403 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, 237)` looks like.

```
.text, #text, p{  
    color:rgb(163, 247, 237)  
}
```

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, 237) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(163, 247, 237) }
```

Border

The CSS property to change the border of an element to Yxy 80.4225, 0.2693, 0.3403 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, 237) }
```

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

```
.border{ border-color:rgb(163, 247, 237) }
```

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, 237)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(163, 247, 237); -webkit-box-  
shadow:4px 4px 4px 4px rgb(163, 247, 237);  
box-shadow:4px 4px 4px 4px rgb(163, 247,  
237) }
```


Background

The CSS property to change the background color of an element to Yxy 80.4225, 0.2693, 0.3403 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, 237) }
```

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

```
.background{ background-color: rgb(163,  
247, 237) }
```

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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