

Converting Colors

Yxy(80.5646, 0.2706, 0.3399)

Have a look what the booklet for
Yxy(80.5646, 0.2706, 0.3399)
contains.

Yxy(80.7429, 0.2708, 0.3402)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(80.7429, 0.2708, 0.3402)

Conversions

Conversions Part 1

Format	Color
Hex	A6F7ED
RGB	166, 247, 237
RGB Percent	65%, 97%, 93%
CMY	0.3491, 0.0313, 0.0705
CMYK	0.33, 0.00, 0.04, 0.03
HSL	173°, 84%, 81%
HSV	173°, 33%, 97%
XYZ	64.2715, 80.7429, 92.3251
YIQ	221.6410, -45.0660, -20.2820

Conversions

Conversions Part 2

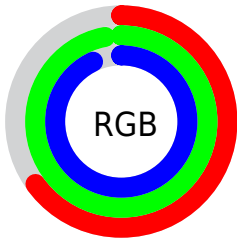
Format	Color
R _Y B	166, 209, 247
Decimal	10942445
CIE Lab	92.02, -26.73, -3.06
CIE LCh	92, 26.902, 186.538
Yxy	80.7429, 0.2708, 0.3402
Android (android.graphics.Color)	4289132525 (0xFFA6F7ED)
YUV	221.6410, 7.5720, -48.7972
Hunter-Lab	89.8571, -29.5752, 1.9815

Details

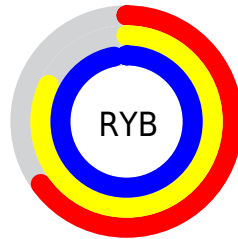
The Yxy color **80.7429, 0.2708, 0.3402** is a light color, and the websafe version is hex **99FFFF**. A complement of this color would be **50.1777, 0.3796, 0.3184**, and the grayscale version is **72.7505, 0.3127, 0.3290**.

A 20% lighter version of the original color is **94.4280, 0.2935, 0.3289**, and **43.4781, 0.2612, 0.3423** is the 20% darker color. If you saturate the color by 10%, you get **78.1517, 0.2605, 0.3442**, and if you desaturate by 10%, it is **83.8562, 0.2825, 0.3365**.

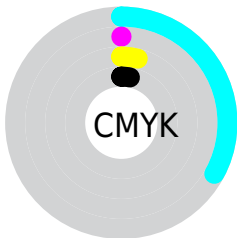
Distribution



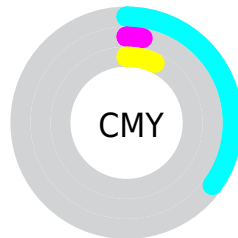
- Red (65%)
- Green (97%)
- Blue (93%)



- Red (65%)
- Yellow (82%)
- Blue (97%)



- Cyan (33%)
- Magenta (0%)
- Yellow (4%)
- Black (3%)




- Cyan (35%)
- Magenta (3%)
- Yellow (7%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 80.7429, 0.2708, 0.3402 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 80.7429, 0.2708, 0.3402 by changing the saturation by 10% instead.


 80.7429, 0.2708,
0.3402

 80.7429, 0.2708,
0.3402


497.4329, 0.2897,
0.3353

 60.3299, 0.2666,
0.3413


 134.4097, 0.2773,
0.3386

 43.6846, 0.2615,
0.3425


 168.4323, 0.2798,
0.3379

 30.4226, 0.2551,
0.3441


207.7602, 0.2820,
0.3373

 20.1596, 0.2469,
0.3460

252.7777, 0.2839,
0.3368

 12.5111, 0.2360,
0.3485

303.8694, 0.2856,
0.3364

 7.0928, 0.2209,
0.3519

361.4196, 0.2871,

 3.5202, 0.1986,

0.3360

425.8126, 0.2885,
0.3356

0.3564

1.4090, 0.1583,
0.3645

0.2233, 0.0000,
0.3281

80.7429, 0.2708,
0.3402

80.7429, 0.2708,
0.3402

78.1517, 0.2605,
0.3442

83.8562, 0.2825,
0.3365

76.0435, 0.2517,
0.3483


87.5090, 0.2953,
0.3330


74.3889, 0.2448,
0.3526


91.7297, 0.3088,
0.3298


73.1517, 0.2399,
0.3569


94.6373, 0.3165,
0.3269

 72.2896, 0.2369,
0.3613

 94.8293, 0.3147,
0.3240

 71.7519, 0.2357,
0.3656

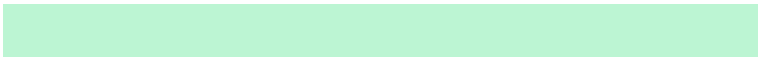
 95.0053, 0.3131,
0.3214

 71.5107, 0.2358,
0.3687

Harmonies

Analogous

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



80.7429, 0.2969, 0.3678



80.7429, 0.2708, 0.3402



80.7429, 0.2560, 0.3107

Triad

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



80.7429, 0.2708, 0.3402



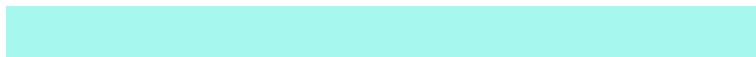
80.7429, 0.2950, 0.2805



80.7429, 0.3730, 0.3665

Complementary

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



80.7429, 0.2708, 0.3402



50.1777, 0.3796, 0.3184

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.



80.7429, 0.3729, 0.3424



80.7429, 0.2708, 0.3402



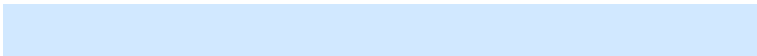
80.7429, 0.3266, 0.2943

Square

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



80.7429, 0.2708, 0.3402



80.7429, 0.2695, 0.2780



80.7429, 0.3556, 0.3165



80.7429, 0.3562, 0.3823

Rectangle

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



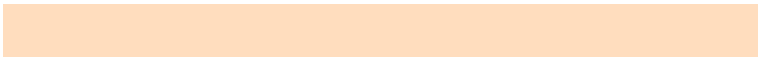
80.7429, 0.2708, 0.3402



80.7429, 0.2541, 0.2946



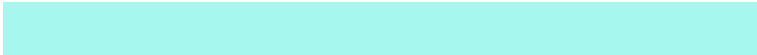
80.7429, 0.3556, 0.3165



80.7429, 0.3750, 0.3591

Sweetspot

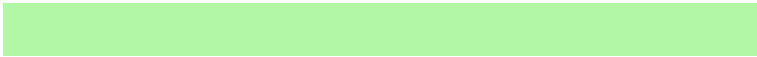
The Sweet Spot groups the original color and five complimentary colors.



80.7461, 0.2708, 0.3402



95.2794, 0.2990, 0.3321



78.6007, 0.3147, 0.4249



20.2625, 0.2971, 0.3326



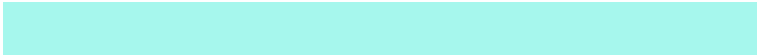
0.0000, 0.0000, 0.0000



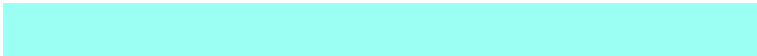
21.4041, 0.3127, 0.3290

Same Dimension

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



80.7461, 0.2708, 0.3402



84.9979, 0.2641, 0.3427



64.6021, 0.2616, 0.2944



18.7205, 0.2997, 0.3319



37.8320, 0.2356, 0.3680



3.3348, 0.2341, 0.3626

Inverse Universe

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



50.1777, 0.3796, 0.3184



47.7066, 0.3985, 0.3163



61.8706, 0.3788, 0.3610



16.5158, 0.3274, 0.3261



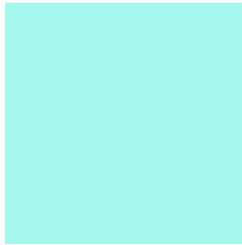
10.5196, 0.6247, 0.3215



0.9350, 0.5976, 0.3066

Previews

White Background



This preview shows how the Yxy color 80.7429, 0.2708, 0.3402 looks on a white background.

Color Contrast Check

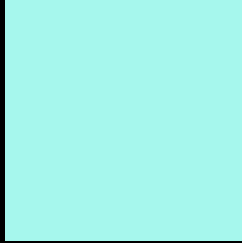
Large Text (above 18pt) WCAG AA × Fail

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 80.7429, 0.2708, 0.3402 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

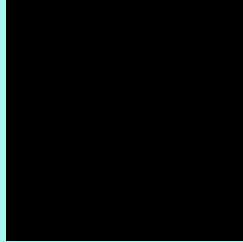
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

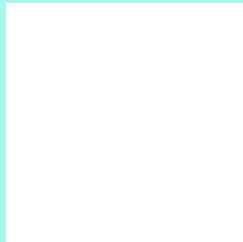
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 80.7429, 0.2708, 0.3402

Background



This preview shows how black text looks on a background with the Yxy color 80.7429, 0.2708, 0.3402.

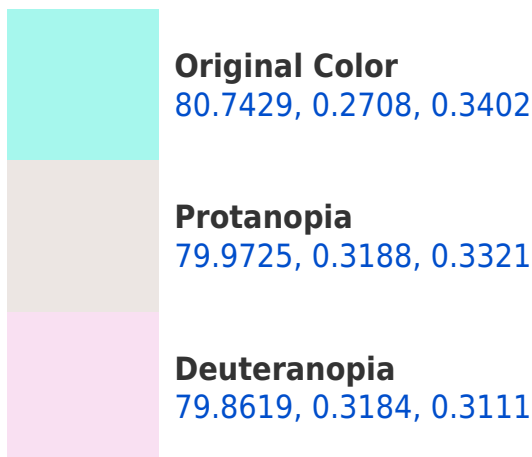


This preview shows how white text looks on a background with the Yxy color 80.7429, 0.2708, 0.3402.

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

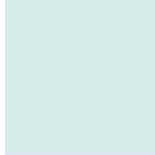
80.3590, 0.2732, 0.3127

Trichromacy



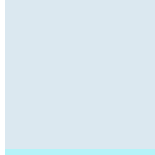
Original Color

80.7429, 0.2708, 0.3402



Protanomaly

79.6093, 0.2994, 0.3343



Deuteranomaly

79.0646, 0.2992, 0.3205



Tritanomaly

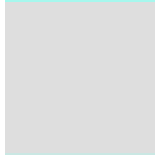
80.7023, 0.2727, 0.3234

Monochromacy



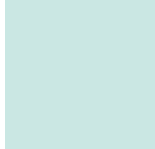
Original Color

80.7429, 0.2708, 0.3402



Achromatopsia

73.0461, 0.3127, 0.3290



Achromatomaly

75.2544, 0.2959, 0.3334

CSS Examples

Text

The CSS property to change the color of the text to Yxy 80.7429, 0.2708, 0.3402 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(166, 247, 237)` looks like.

```
.text, #text, p{  
    color:rgb(166, 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(166, 247, 237) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(166, 247, 237) }
```

Border

The CSS property to change the border of an element to Yxy 80.7429, 0.2708, 0.3402 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(166, 247, 237) }
```

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

```
.border{ border-color:rgb(166, 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(166, 247, 237)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(166, 247, 237); -webkit-box-  
shadow:4px 4px 4px 4px rgb(166, 247, 237);  
box-shadow:4px 4px 4px 4px rgb(166, 247,  
237) }
```


Background

The CSS property to change the background color of an element to Yxy 80.7429, 0.2708, 0.3402 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(166, 247, 237) }
```

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

```
.background{ background-color: rgb(166,  
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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor