

Converting Colors

$Yxy(80.1988, 0.2739, 0.3437)$

Have a look what the booklet for
Yxy(80.1988, 0.2739, 0.3437)
contains.

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Color

Yxy(80.1196, 0.2737, 0.3437)

Conversions

Conversions Part 1

Format	Color
Hex	A8F6E9
RGB	168, 246, 233
RGB Percent	66%, 96%, 91%
CMY	0.3414, 0.0352, 0.0863
CMYK	0.32, 0.00, 0.05, 0.04
HSL	170°, 81%, 81%
HSV	170°, 32%, 96%
XYZ	63.8020, 80.1196, 89.1875
YIQ	221.1960, -42.3150, -20.5790

Conversions

Conversions Part 2

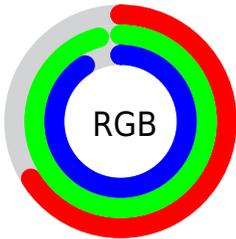
Format	Color
R _Y B	168, 211, 246
Decimal	11073257
CIE Lab	91.74, -26.60, -1.37
CIE LCh	92, 26.633, 182.958
Yxy	80.1196, 0.2737, 0.3437
Android (android.graphics.Color)	4289263337 (0xFFA8F6E9)
YUV	221.1960, 5.8194, -46.6529
Hunter-Lab	89.5096, -29.4078, 3.5800

Details

The Yxy color **80.1196, 0.2737, 0.3437** is a light color, and the websafe version is hex **99FFFF**. A complement of this color would be **50.9147, 0.3734, 0.3151**, and the grayscale version is **72.4251, 0.3127, 0.3290**.

A 20% lighter version of the original color is **94.7476, 0.2946, 0.3289**, and **43.0802, 0.2653, 0.3469** is the 20% darker color. If you saturate the color by 10%, you get **77.4426, 0.2636, 0.3491**, and if you desaturate by 10%, it is **83.3192, 0.2851, 0.3386**.

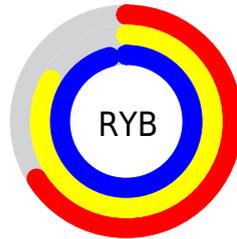
Distribution



Red (66%)

Green (96%)

Blue (91%)



Red (66%)

Yellow (83%)

Blue (96%)

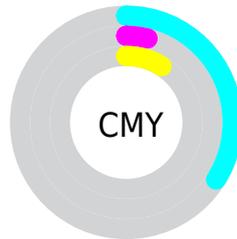


Cyan (32%)

Magenta (0%)

Yellow (5%)

Black (4%)



Cyan (34%)

Magenta (4%)

Yellow (9%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 80.1196, 0.2737, 0.3437 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 80.1196, 0.2737, 0.3437 by changing the saturation by 10% instead.

 80.1196, 0.2737,
0.3437

 80.1196, 0.2737,
0.3437

495.3358, 0.2914,
0.3371

 59.8168, 0.2698,
0.3452

 133.5339, 0.2797,
0.3415

 43.2710, 0.2649,
0.3469

167.4141, 0.2821,
0.3406

 30.0978, 0.2589,
0.3491

206.5889, 0.2842,
0.3398

 19.9128, 0.2512,
0.3519

251.4428, 0.2860,
0.3391

 12.3317, 0.2408,
0.3557

302.3600, 0.2876,
0.3385

 6.9700, 0.2264,
0.3608

359.7249, 0.2890,

 3.4433, 0.2049,

0.3380

0.3682

423.9221, 0.2902,
0.3375

1.3673, 0.1639,
0.3826

0.1925, 0.0000,
0.3864

80.1196, 0.2737,
0.3437

80.1196, 0.2737,
0.3437

77.4426, 0.2636,
0.3491

83.3192, 0.2851,
0.3386

75.2496, 0.2550,
0.3548

87.0584, 0.2974,
0.3340

73.5121, 0.2483,
0.3607

91.3652, 0.3104,
0.3297

72.1943, 0.2434,
0.3667

94.0464, 0.3165,
0.3258

 71.2555, 0.2405,
0.3727

 94.3058, 0.3140,
0.3218

 70.6462, 0.2396,
0.3787

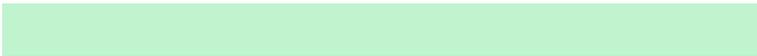
 94.4013, 0.3131,
0.3204

 70.3284, 0.2399,
0.3837

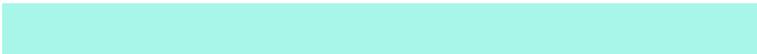
Harmonies

Analogous

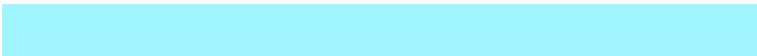
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



80.1196, 0.3006, 0.3701



80.1196, 0.2737, 0.3437



80.1196, 0.2575, 0.3141

Triad

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



80.1196, 0.2737, 0.3437



80.1196, 0.2917, 0.2799



80.1196, 0.3734, 0.3637

Complementary

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



80.1196, 0.2737, 0.3437



50.9147, 0.3734, 0.3151

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.



80.1196, 0.3713, 0.3392



80.1196, 0.2737, 0.3437



80.1196, 0.3228, 0.2924

Square

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



80.1196, 0.2737, 0.3437



80.1196, 0.2674, 0.2789



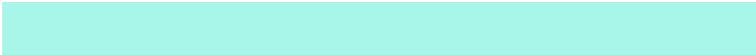
80.1196, 0.3523, 0.3137



80.1196, 0.3586, 0.3807

Rectangle

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



80.1196, 0.2737, 0.3437



80.1196, 0.2544, 0.2974



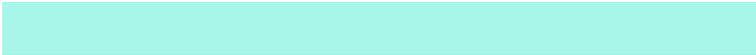
80.1196, 0.3523, 0.3137



80.1196, 0.3747, 0.3561

Sweetspot

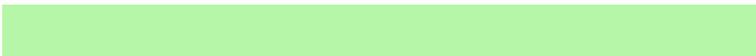
The Sweet Spot groups the original color and five complimentary colors.



80.1228, 0.2737, 0.3437



95.2095, 0.2996, 0.3332



78.7227, 0.3172, 0.4206



20.2454, 0.2978, 0.3338



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.



80.1228, 0.2737, 0.3437



85.0217, 0.2671, 0.3471



66.8412, 0.2638, 0.3003



18.7076, 0.3003, 0.3330



37.5511, 0.2396, 0.3827



3.3127, 0.2375, 0.3751

Inverse Universe

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



50.9147, 0.3734, 0.3151



48.8140, 0.3911, 0.3122



60.4133, 0.3774, 0.3558



16.5276, 0.3267, 0.3251



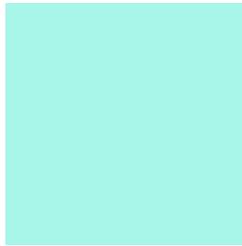
10.5571, 0.6158, 0.3166



0.9406, 0.5844, 0.2993

Previews

White Background



This preview shows how the Yxy color 80.1196, 0.2737, 0.3437 looks on a white background.

Color Contrast Check

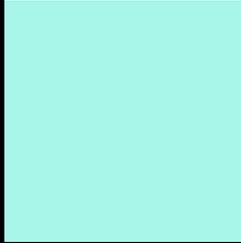
Large Text (above 18pt) WCAG AA × Fail

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 80.1196, 0.2737, 0.3437 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 80.1196, 0.2737, 0.3437

Background



This preview shows how black text looks on a background with the Yxy color 80.1196, 0.2737, 0.3437.



This preview shows how white text looks on a background with the Yxy color 80.1196, 0.2737, 0.3437.

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

79.6444, 0.2725, 0.3116

Trichromacy



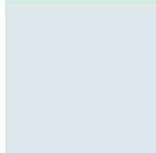
Original Color

80.1196, 0.2737, 0.3437



Protanomaly

78.8116, 0.3018, 0.3376



Deuteranomaly

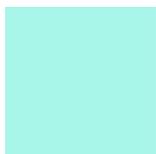
78.4236, 0.3022, 0.3237



Tritanomaly

80.0434, 0.2731, 0.3234

Monochromacy



Original Color

80.1196, 0.2737, 0.3437



Achromatopsia

72.3055, 0.3127, 0.3290



Achromatomaly

74.5864, 0.2971, 0.3345

CSS Examples

Text

The CSS property to change the color of the text to Yxy 80.1196, 0.2737, 0.3437 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(168, 246, 233)` looks like.

```
.text, #text, p{  
    color:rgb(168, 246, 233)  
}
```

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(168, 246, 233) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(168, 246, 233) }
```

Border

The CSS property to change the border of an element to Yxy 80.1196, 0.2737, 0.3437 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(168, 246, 233) }
```

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

```
.border{ border-color:rgb(168, 246, 233) }
```

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

Here you see how a box with a 4 pixel rgb(168, 246, 233) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(168, 246, 233); -webkit-box-  
shadow:4px 4px 4px 4px rgb(168, 246, 233);  
box-shadow:4px 4px 4px 4px rgb(168, 246,  
233) }
```

Background

The CSS property to change the background color of an element to Yxy 80.1196, 0.2737, 0.3437 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(168, 246, 233) }
```

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

```
.background{ background-color: rgb(168,  
246, 233) }
```

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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