

Converting Colors

$Yxy(80.0608, 0.2787, 0.3542)$

Have a look what the booklet for
Yxy(80.0608, 0.2787, 0.3542)
contains.

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Color

Yxy(80.3384, 0.2790, 0.3553)

Conversions

Conversions Part 1

Format	Color
Hex	A9F7E0
RGB	169, 247, 224
RGB Percent	66%, 97%, 88%
CMY	0.3370, 0.0314, 0.1216
CMYK	0.32, 0.00, 0.09, 0.03
HSL	162°, 83%, 82%
HSV	162°, 32%, 97%
XYZ	63.0859, 80.3384, 82.6900
YIQ	221.0560, -39.1050, -23.6890

Conversions

Conversions Part 2

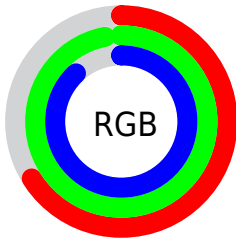
Format	Color
R _Y B	169, 215, 247
Decimal	11139040
CIE Lab	91.84, -28.66, 3.45
CIE LCh	92, 28.871, 173.129
Yxy	80.3384, 0.2790, 0.3553
Android (android.graphics.Color)	4289329120 (0xFFA9F7E0)
YUV	221.0560, 1.4514, -45.6531
Hunter-Lab	89.6317, -31.2210, 8.0440

Details

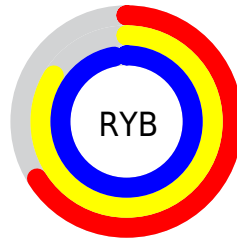
The Yxy color **80.3384, 0.2790, 0.3553** is a light color, and the websafe version is hex **99FFFF**. A complement of this color would be **51.9835, 0.3636, 0.3045**, and the grayscale version is **72.3685, 0.3127, 0.3290**.

A 20% lighter version of the original color is **94.9088, 0.2952, 0.3289**, and **43.2689, 0.2710, 0.3607** is the 20% darker color. If you saturate the color by 10%, you get **77.4744, 0.2701, 0.3652**, and if you desaturate by 10%, it is **83.7420, 0.2890, 0.3461**.

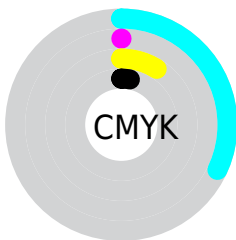
Distribution



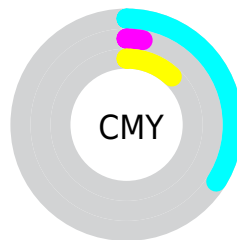
- Red (66%)
- Green (97%)
- Blue (88%)



- Red (66%)
- Yellow (84%)
- Blue (97%)



- Cyan (32%)
- Magenta (0%)
- Yellow (9%)
- Black (3%)





- Cyan (34%)
- Magenta (3%)
- Yellow (12%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 80.3384, 0.2790, 0.3553 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 80.3384, 0.2790, 0.3553 by changing the saturation by 10% instead.


 80.3384, 0.2790,
0.3553

 80.3384, 0.2790,
0.3553


496.0725, 0.2944,
0.3432

 59.9969, 0.2755,
0.3581


 133.8414, 0.2843,
0.3511

 43.4161, 0.2713,
0.3615


167.7717, 0.2864,
0.3495

 30.2117, 0.2659,
0.3658


207.0003, 0.2882,
0.3481

 19.9994, 0.2590,
0.3714

251.9116, 0.2897,
0.3468

 12.3946, 0.2497,
0.3790

302.8901, 0.2911,
0.3458

 7.0130, 0.2366,
0.3900


360.3202, 0.2923,


 3.4702, 0.2166,

0.3448

0.4070

424.5862, 0.2934,
0.3439

 1.3819, 0.1743,
0.4415


 0.2033, 0.0000,
1.0000


 80.3384, 0.2790,
0.3553


 80.3384, 0.2790,
0.3553


 77.4744, 0.2701,
0.3652


 83.7420, 0.2890,
0.3461


 75.1108, 0.2627,
0.3757

 87.7023, 0.2997,
0.3377

 73.2187, 0.2569,
0.3866

 92.2480, 0.3109,
0.3301

 71.7619, 0.2530,
0.3979

 94.8801, 0.3142,
0.3231

■ 70.6992, 0.2512,
0.4092

■ 94.9982, 0.3131,
0.3214

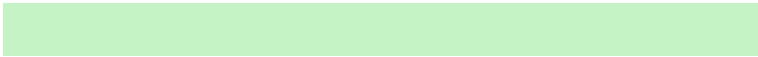
■ 69.9806, 0.2513,
0.4205

■ 69.5766, 0.2528,
0.4299

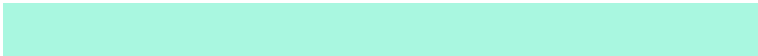
Harmonies

Analogous

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



80.3384, 0.3104, 0.3806



80.3384, 0.2790, 0.3553



80.3384, 0.2572, 0.3229

Triad

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



80.3384, 0.2790, 0.3553



80.3384, 0.2802, 0.2742



80.3384, 0.3799, 0.3582

Complementary

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



80.3384, 0.2790, 0.3553



51.9835, 0.3636, 0.3045

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.



80.3384, 0.3713, 0.3307



80.3384, 0.2790, 0.3553



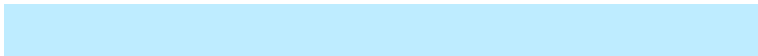
80.3384, 0.3122, 0.2840

Square

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



80.3384, 0.2790, 0.3553



80.3384, 0.2579, 0.2775



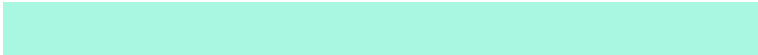
80.3384, 0.3459, 0.3041



80.3384, 0.3694, 0.3801

Rectangle

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



80.3384, 0.2790, 0.3553



80.3384, 0.2505, 0.3030



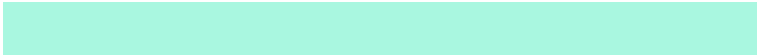
80.3384, 0.3459, 0.3041



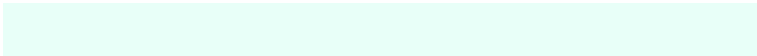
80.3384, 0.3792, 0.3493

Sweetspot

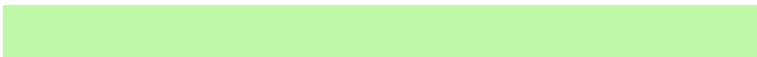
The Sweet Spot groups the original color and five complimentary colors.



80.3417, 0.2790, 0.3553



95.4753, 0.3025, 0.3357



80.6501, 0.3230, 0.4183



20.2896, 0.3009, 0.3369



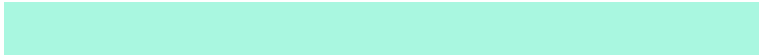
0.0000, 0.0000, 0.0000



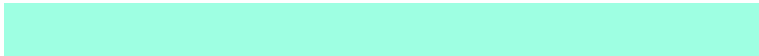
21.4041, 0.3127, 0.3290

Same Dimension

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



80.3417, 0.2790, 0.3553



84.3115, 0.2731, 0.3617



72.5387, 0.2653, 0.3112



18.6695, 0.3020, 0.3361



36.8247, 0.2522, 0.4281



3.2545, 0.2484, 0.4141

Inverse Universe

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



51.9835, 0.3636, 0.3045



49.3234, 0.3787, 0.2992



57.1932, 0.3799, 0.3460



16.5630, 0.3247, 0.3220



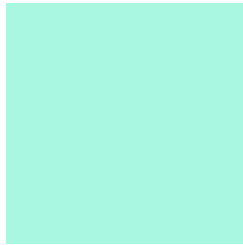
10.7334, 0.5781, 0.2958



0.9606, 0.5426, 0.2763

Previews

White Background



This preview shows how the Yxy color 80.3384, 0.2790, 0.3553 looks on a white background.

Color Contrast Check

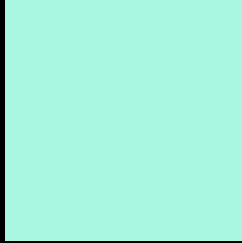
Large Text (above 18pt) WCAG AA × Fail

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 80.3384, 0.2790, 0.3553 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 80.3384, 0.2790, 0.3553

Background



This preview shows how black text looks on a background with the Yxy color 80.3384, 0.2790, 0.3553.

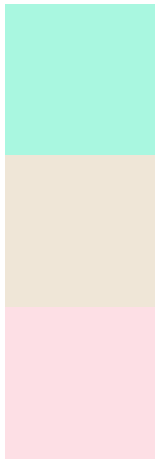


This preview shows how white text looks on a background with the Yxy color 80.3384, 0.2790, 0.3553.

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

80.3384, 0.2790, 0.3553

Protanopia

79.8506, 0.3287, 0.3446

Deuteranopia

79.3151, 0.3301, 0.3230



Tritanopia

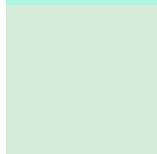
79.9002, 0.2736, 0.3116

Trichromacy



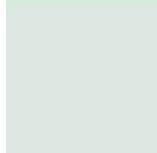
Original Color

80.3384, 0.2790, 0.3553



Protanomaly

79.3490, 0.3091, 0.3485



Deuteranomaly

78.7889, 0.3091, 0.3343



Tritanomaly

79.9810, 0.2752, 0.3267

Monochromacy



Original Color

80.3384, 0.2790, 0.3553



Achromatopsia

72.3055, 0.3127, 0.3290



Achromatomaly

74.4241, 0.2989, 0.3379

CSS Examples

Text

The CSS property to change the color of the text to Yxy 80.3384, 0.2790, 0.3553 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(169, 247, 224)` looks like.

```
.text, #text, p{  
    color:rgb(169, 247, 224)  
}
```

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(169, 247, 224) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(169, 247, 224) }
```

Border

The CSS property to change the border of an element to Yxy 80.3384, 0.2790, 0.3553 is called "border". The border property can be set on classes, ids or directly on the HTML element.

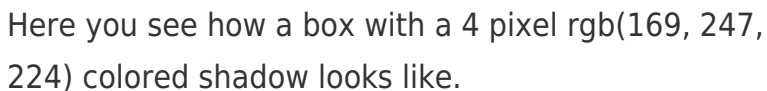
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(169, 247, 224) }
```

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

```
.border{ border-color:rgb(169, 247, 224) }
```

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



Here you see how a box with a 4 pixel `rgb(169, 247, 224)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(169, 247, 224); -webkit-box-shadow:4px 4px 4px 4px rgb(169, 247, 224); box-shadow:4px 4px 4px 4px rgb(169, 247, 224) }
```


Background

The CSS property to change the background color of an element to Yxy 80.3384, 0.2790, 0.3553 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(169, 247, 224) }
```

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

```
.background{ background-color: rgb(169,  
247, 224) }
```

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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