

Converting Colors

$Yxy(80.6696, 0.2767, 0.3514)$

Have a look what the booklet for
Yxy(80.6696, 0.2767, 0.3514)
contains.

Yxy(80.4478, 0.2764, 0.3506)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(80.4478, 0.2764, 0.3506)

Conversions

Conversions Part 1

Format	Color
Hex	A8F7E4
RGB	168, 247, 228
RGB Percent	66%, 97%, 89%
CMY	0.3409, 0.0314, 0.1059
CMYK	0.32, 0.00, 0.08, 0.03
HSL	166°, 83%, 81%
HSV	166°, 32%, 97%
XYZ	63.4221, 80.4478, 85.5876
YIQ	221.2130, -40.9850, -22.6570

Conversions

Conversions Part 2

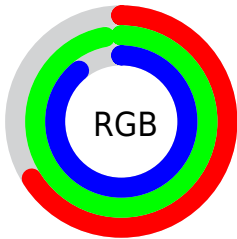
Format	Color
RYB	168, 213, 247
Decimal	11073508
CIELab	91.89, -28.10, 1.43
CIElCh	92, 28.138, 177.085
Yxy	80.4478, 0.2764, 0.3506
Android (android.graphics.Color)	4289263588 (0xFFA8F7E4)
YUV	221.2130, 3.3460, -46.6678
Hunter-Lab	89.6927, -30.7442, 6.2085

Details

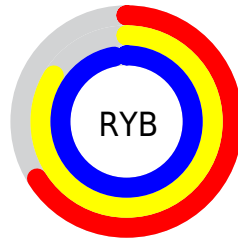
The Yxy color **80.4478, 0.2764, 0.3506** is a light color, and the websafe version is hex **99FFFF**. A complement of this color would be **51.3896, 0.3685, 0.3087**, and the grayscale version is **72.4716, 0.3127, 0.3290**.

A 20% lighter version of the original color is **94.7476, 0.2946, 0.3289**, and **43.3548, 0.2679, 0.3545** is the 20% darker color. If you saturate the color by 10%, you get **77.6672, 0.2670, 0.3586**, and if you desaturate by 10%, it is **83.7612, 0.2869, 0.3432**.

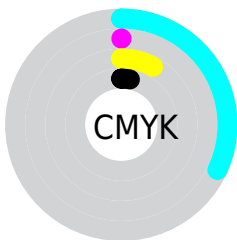
Distribution



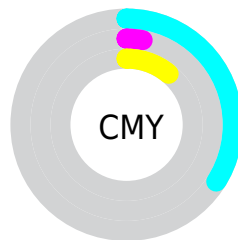
- Red (66%)
- Green (97%)
- Blue (89%)



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



- Cyan (32%)
- Magenta (0%)
- Yellow (8%)
- Black (3%)





- Cyan (34%)
- Magenta (3%)
- Yellow (11%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 80.4478, 0.2764, 0.3506 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 80.4478, 0.2764, 0.3506 by changing the saturation by 10% instead.

 80.4478, 0.2764,
0.3506

 80.4478, 0.2764,
0.3506

496.4407, 0.2929,
0.3407

 60.0869, 0.2727,
0.3528


 133.9951, 0.2821,
0.3472

 43.4887, 0.2682,
0.3556

167.9504, 0.2843,
0.3459

 30.2687, 0.2625,
0.3590


207.2059, 0.2862,
0.3447

 20.0427, 0.2552,
0.3634

252.1460, 0.2879,
0.3437

 12.4261, 0.2454,
0.3694

303.1551, 0.2894,
0.3428

 7.0345, 0.2316,
0.3779

360.6177, 0.2907,

 3.4837, 0.2108,

0.3421

424.9181, 0.2918,
0.3414

0.3909

1.3892, 0.1693,
0.4165

0.2087, 0.0000,
0.6213

80.4478, 0.2764,
0.3506

80.4478, 0.2764,
0.3506

77.6672, 0.2670,
0.3586

83.7612, 0.2869,
0.3432

75.3802, 0.2592,
0.3670


87.6246, 0.2983,
0.3364


73.5579, 0.2530,
0.3757

92.0664, 0.3103,
0.3301


72.1640, 0.2488,
0.3847

94.7919, 0.3150,
0.3244

 71.1571, 0.2465,
0.3938

 94.9981, 0.3131,
0.3214

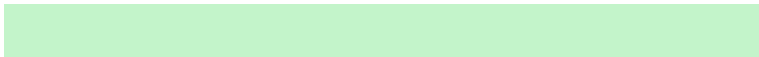
 70.4870, 0.2463,
0.4028

 70.1309, 0.2472,
0.4100

Harmonies

Analogous

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



80.4478, 0.3062, 0.3767



80.4478, 0.2764, 0.3506



80.4478, 0.2568, 0.3190

Triad

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



80.4478, 0.2764, 0.3506



80.4478, 0.2847, 0.2761



80.4478, 0.3779, 0.3608

Complementary

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



80.4478, 0.2764, 0.3506



51.3896, 0.3685, 0.3087

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.



80.4478, 0.3719, 0.3343



80.4478, 0.2764, 0.3506



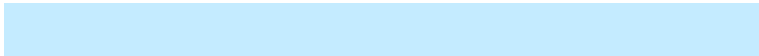
80.4478, 0.3166, 0.2871

Square

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



80.4478, 0.2764, 0.3506



80.4478, 0.2614, 0.2776



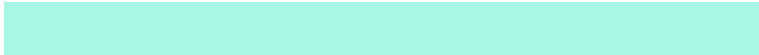
80.4478, 0.3490, 0.3079



80.4478, 0.3654, 0.3809

Rectangle

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



80.4478, 0.2764, 0.3506



80.4478, 0.2516, 0.3003



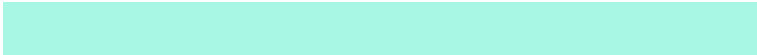
80.4478, 0.3490, 0.3079



80.4478, 0.3780, 0.3523

Sweetspot

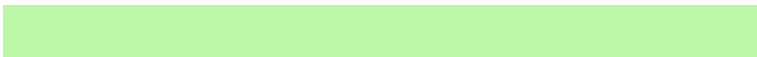
The Sweet Spot groups the original color and five complimentary colors.



80.4511, 0.2764, 0.3506



95.0916, 0.3006, 0.3351



80.0123, 0.3206, 0.4204



20.2168, 0.2990, 0.3360



0.0000, 0.0000, 0.0000



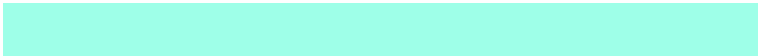
21.4041, 0.3127, 0.3290

Same Dimension

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



80.4511, 0.2764, 0.3506



84.6079, 0.2705, 0.3554



70.1269, 0.2642, 0.3063



18.6857, 0.3013, 0.3348



37.1153, 0.2468, 0.4085



3.2780, 0.2437, 0.3972

Inverse Universe

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



51.3896, 0.3685, 0.3087



49.1008, 0.3840, 0.3047



58.4801, 0.3797, 0.3505



16.5479, 0.3256, 0.3233



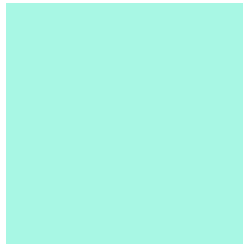
10.6456, 0.5960, 0.3057



0.9511, 0.5613, 0.2866

Previews

White Background



This preview shows how the Yxy color 80.4478, 0.2764, 0.3506 looks on a white background.

Color Contrast Check

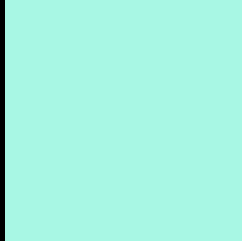
Large Text (above 18pt) WCAG AA × Fail

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 80.4478, 0.2764, 0.3506 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

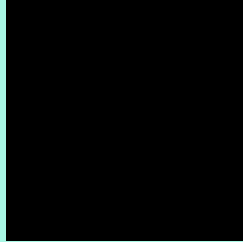
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 80.4478, 0.2764, 0.3506

Background



This preview shows how black text looks on a background with the Yxy color 80.4478, 0.2764, 0.3506.

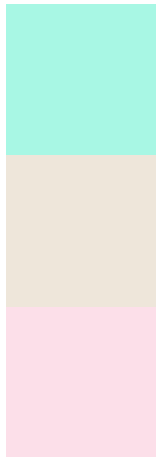


This preview shows how white text looks on a background with the Yxy color 80.4478, 0.2764, 0.3506.

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

80.4478, 0.2764, 0.3506

Protanopia

79.8327, 0.3260, 0.3415

Deuteranopia

79.3540, 0.3266, 0.3190



Tritanopia

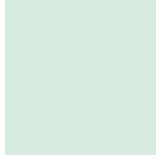
80.4873, 0.2737, 0.3127

Trichromacy



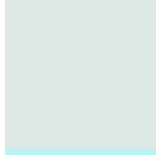
Original Color

80.4478, 0.2764, 0.3506



Protanomaly

79.4110, 0.3061, 0.3442



Deuteranomaly

78.8549, 0.3060, 0.3300



Tritanomaly

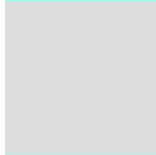
80.6388, 0.2748, 0.3267

Monochromacy



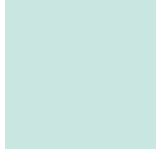
Original Color

80.4478, 0.2764, 0.3506



Achromatopsia

72.3055, 0.3127, 0.3290



Achromatomaly

74.5320, 0.2977, 0.3356

CSS Examples

Text

The CSS property to change the color of the text to Yxy 80.4478, 0.2764, 0.3506 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, 247, 228)` looks like.

```
.text, #text, p{  
    color:rgb(168, 247, 228)  
}
```

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, 247, 228) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(168, 247, 228) }
```

Border

The CSS property to change the border of an element to Yxy 80.4478, 0.2764, 0.3506 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, 247, 228) }
```

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

```
.border{ border-color:rgb(168, 247, 228) }
```

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

Here you see how a box with a 4 pixel rgb(168, 247, 228) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(168, 247, 228); -webkit-box-  
shadow:4px 4px 4px 4px rgb(168, 247, 228);  
box-shadow:4px 4px 4px 4px rgb(168, 247,  
228) }
```


Background

The CSS property to change the background color of an element to Yxy 80.4478, 0.2764, 0.3506 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(168, 247, 228) }
```

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

```
.background{ background-color: rgb(168,  
247, 228) }
```

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