

Converting Colors

$Y_{xy}(83.1970, 0.2777, 0.3358)$

Have a look what the booklet for
Yxy(83.1970, 0.2777, 0.3358)
contains.

Yxy(82.9397, 0.2778, 0.3355)	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(82.9397, 0.2778, 0.3355)

Conversions

Conversions Part 1

Format	Color
Hex	B7F7F1
RGB	183, 247, 241
RGB Percent	72%, 97%, 95%
CMY	0.2821, 0.0314, 0.0550
CMYK	0.26, 0.00, 0.02, 0.03
HSL	174°, 80%, 84%
HSV	174°, 26%, 97%
XYZ	68.6756, 82.9397, 95.5970
YIQ	227.1800, -36.2180, -15.4340

Conversions

Conversions Part 2

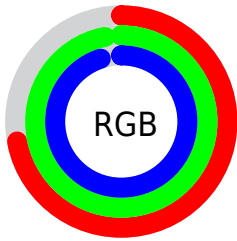
Format	Color
R_{YB}	183, 217, 247
Decimal	12056561
CIE _{Lab}	92.99, -21.11, -3.60
CIE _{LCh}	93, 21.413, 189.677
Yxy	82.9397, 0.2778, 0.3355
Android (android.graphics.Color)	4290246641 (0xFFB7F7F1)
YUV	227.1800, 6.8133, -38.7459
Hunter-Lab	91.0712, -24.7703, 1.5135

Details

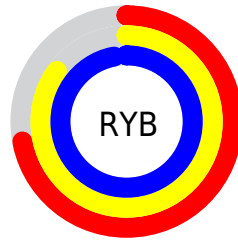
The Yxy color **82.9397, 0.2778, 0.3355** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **57.3439, 0.3630, 0.3227**, and the grayscale version is **76.9332, 0.3127, 0.3290**.

A 20% lighter version of the original color is **97.2653, 0.3035, 0.3290**, and **45.3536, 0.2700, 0.3375** is the 20% darker color. If you saturate the color by 10%, you get **80.0362, 0.2662, 0.3384**, and if you desaturate by 10%, it is **86.3832, 0.2906, 0.3328**.

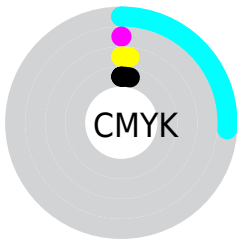
Distribution



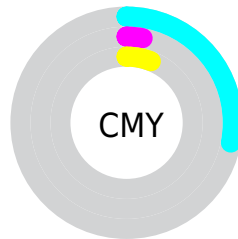
- Red (72%)
- Green (97%)
- Blue (95%)



- Red (72%)
- Yellow (85%)
- Blue (97%)



- Cyan (26%)
- Magenta (0%)
- Yellow (2%)
- Black (3%)





- Cyan (28%)
- Magenta (3%)
- Yellow (6%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 82.9397, 0.2778, 0.3355 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 82.9397, 0.2778, 0.3355 by changing the saturation by 10% instead.

 82.9397, 0.2778,
0.3355

 82.9397, 0.2778,
0.3355

504.7855, 0.2935,
0.3327

 62.1404, 0.2743,
0.3361


 137.4910, 0.2831,
0.3346

 45.1462, 0.2701,
0.3368


172.0118, 0.2852,
0.3342

 31.5726, 0.2648,
0.3376


211.8752, 0.2871,
0.3339

 21.0352, 0.2581,
0.3387

257.4657, 0.2887,
0.3336

 13.1498, 0.2491,
0.3400

309.1675, 0.2901,
0.3333

 7.5318, 0.2367,
0.3416

367.3652, 0.2913,

 3.7968, 0.2185,

0.3331

432.4431, 0.2925,
0.3329

0.3438

1.5606, 0.1890,
0.3464

0.3308, 0.0000,
0.3509

82.9397, 0.2778,
0.3355

82.9397, 0.2778,
0.3355

80.0362, 0.2662,
0.3384

86.3832, 0.2906,
0.3328

77.6349, 0.2561,
0.3414


90.3823, 0.3043,
0.3304


75.7088, 0.2476,
0.3446

94.5519, 0.3173,
0.3281


74.2243, 0.2411,
0.3478

94.6968, 0.3159,
0.3259

 73.1436, 0.2366,
0.3510


 94.8436, 0.3145,
0.3237

 72.4223, 0.2339,
0.3543

 94.9921, 0.3131,
0.3214

 72.0055, 0.2331,
0.3575

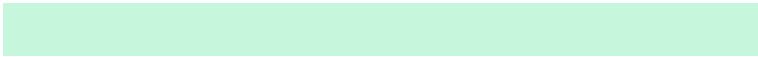
 94.9978, 0.3131,
0.3214

 71.8880, 0.2330,
0.3588

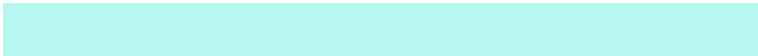
Harmonies

Analogous

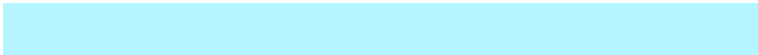
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



82.9397, 0.2979, 0.3574



82.9397, 0.2778, 0.3355



82.9397, 0.2670, 0.3127

Triad

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



82.9397, 0.2778, 0.3355



82.9397, 0.3014, 0.2909



82.9397, 0.3594, 0.3607

Complementary

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



82.9397, 0.2778, 0.3355



57.3439, 0.3630, 0.3227

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.



82.9397, 0.3607, 0.3422



82.9397, 0.2778, 0.3355



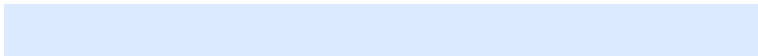
82.9397, 0.3265, 0.3029

Square

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



82.9397, 0.2778, 0.3355



82.9397, 0.2802, 0.2881



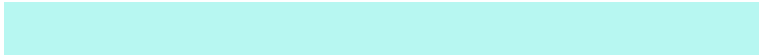
82.9397, 0.3485, 0.3213



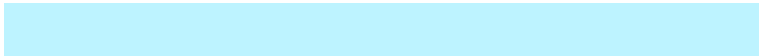
82.9397, 0.3452, 0.3717

Rectangle

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



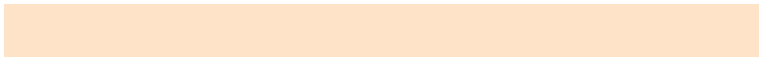
82.9397, 0.2778, 0.3355



82.9397, 0.2662, 0.3004



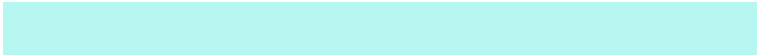
82.9397, 0.3485, 0.3213



82.9397, 0.3614, 0.3552

Sweetspot

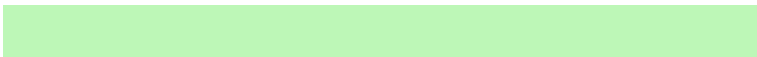
The Sweet Spot groups the original color and five complimentary colors.



82.9431, 0.2778, 0.3355



96.2113, 0.3014, 0.3309



80.8168, 0.3132, 0.4024



20.4503, 0.2993, 0.3312



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

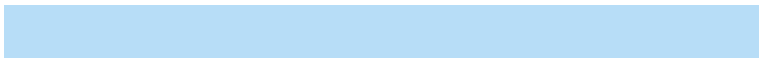
The Same Dimension uses a secret algorithm to generate beautiful new colors.



82.9431, 0.2778, 0.3355



87.4951, 0.2716, 0.3370



68.7263, 0.2721, 0.3001



18.7294, 0.2993, 0.3312



38.0328, 0.2329, 0.3583



3.3504, 0.2317, 0.3542

Inverse Universe

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



57.3439, 0.3630, 0.3227



55.7257, 0.3769, 0.3214



68.6173, 0.3614, 0.3562



16.5078, 0.3279, 0.3268



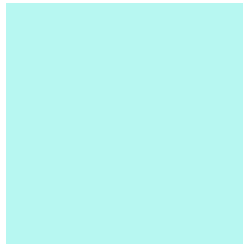
10.4999, 0.6295, 0.3241



0.9312, 0.6071, 0.3118

Previews

White Background



This preview shows how the Yxy color 82.9397, 0.2778, 0.3355 looks on a white background.

Color Contrast Check

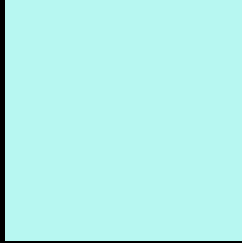
Large Text (above 18pt) WCAG AA × Fail

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 82.9397, 0.2778, 0.3355 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

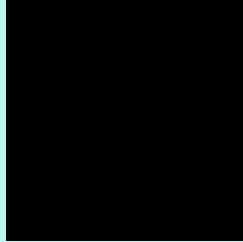
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 82.9397, 0.2778, 0.3355

Background



This preview shows how black text looks on a background with the Yxy color 82.9397, 0.2778, 0.3355.

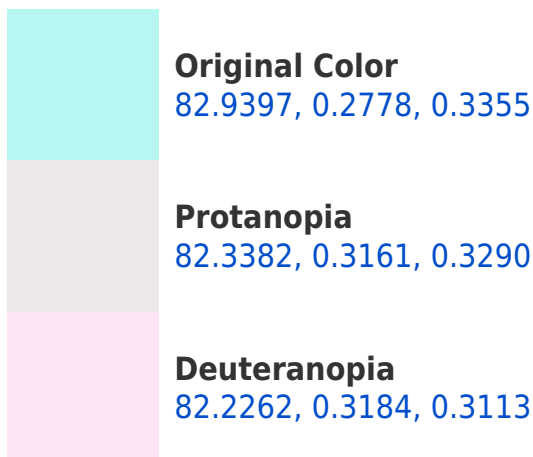


This preview shows how white text looks on a background with the Yxy color 82.9397, 0.2778, 0.3355.

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

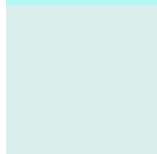
82.8271, 0.2812, 0.3142

Trichromacy



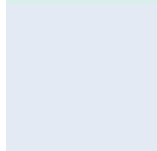
Original Color

82.9397, 0.2778, 0.3355



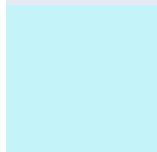
Protanomaly

82.1106, 0.3009, 0.3311



Deuteranomaly

81.7082, 0.3020, 0.3187



Tritanomaly

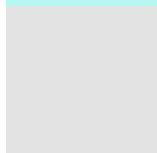
82.7391, 0.2800, 0.3214

Monochromacy



Original Color

82.9397, 0.2778, 0.3355



Achromatopsia

76.8151, 0.3127, 0.3290



Achromatomaly

78.5207, 0.2988, 0.3311

CSS Examples

Text

The CSS property to change the color of the text to Yxy 82.9397, 0.2778, 0.3355 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(183, 247, 241)` looks like.

```
.text, #text, p{  
    color:rgb(183, 247, 241)  
}
```

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(183, 247, 241) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(183, 247, 241) }
```

Border

The CSS property to change the border of an element to Yxy 82.9397, 0.2778, 0.3355 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(183, 247, 241) }
```

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

```
.border{ border-color:rgb(183, 247, 241) }
```

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

Here you see how a box with a 4 pixel `rgb(183, 247, 241)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(183, 247, 241); -webkit-box-  
shadow:4px 4px 4px 4px rgb(183, 247, 241);  
box-shadow:4px 4px 4px 4px rgb(183, 247,  
241) }
```


Background

The CSS property to change the background color of an element to Yxy 82.9397, 0.2778, 0.3355 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(183, 247, 241) }
```

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

```
.background{ background-color: rgb(183,  
247, 241) }
```

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