

Converting Colors

$Yxy(82.2213, 0.2890, 0.3512)$

Have a look what the booklet for
Yxy(82.2213, 0.2890, 0.3512)
contains.

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Color

Yxy(82.2213, 0.2890, 0.3512)

Conversions

Conversions Part 1

Format	Color
Hex	<code>BDF6E2</code>
RGB	<code>189, 246, 226</code>
RGB Percent	<code>74%, 96%, 89%</code>
CMY	<code>0.2590, 0.0352, 0.1138</code>
CMYK	<code>0.23, 0.00, 0.08, 0.04</code>
HSL	<code>159°, 76%, 85%</code>
HSV	<code>159°, 23%, 96%</code>
XYZ	<code>67.6593, 82.2213, 84.2347</code>
YIQ	<code>226.6770, -27.5520, -18.3040</code>

Conversions

Conversions Part 2

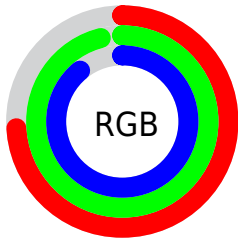
Format	Color
R _Y B	189, 224, 246
Decimal	12449506
CIE Lab	92.67, -21.97, 3.77
CIE LCh	93, 22.293, 170.274
Yxy	82.2213, 0.2890, 0.3512
Android (android.graphics.Color)	4290639586 (0xFFBDF6E2)
YUV	226.6770, -0.3338, -33.0427
Hunter-Lab	90.6760, -25.4923, 8.3949

Details

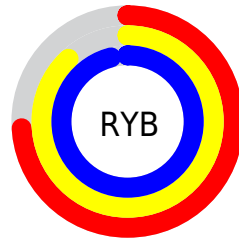
The Yxy color **82.2213, 0.2890, 0.3512** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **60.5794, 0.3442, 0.3079**, and the grayscale version is **76.5824, 0.3127, 0.3290**.

A 20% lighter version of the original color is **98.3328, 0.3072, 0.3290**, and **44.9181, 0.2838, 0.3565** is the 20% darker color. If you saturate the color by 10%, you get **78.8791, 0.2798, 0.3624**, and if you desaturate by 10%, it is **86.1278, 0.2989, 0.3410**.

Distribution



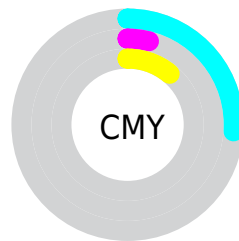
- Red (74%)
- Green (96%)
- Blue (89%)



- Red (74%)
- Yellow (88%)
- Blue (96%)



- Cyan (23%)
- Magenta (0%)
- Yellow (8%)
- Black (4%)





- Cyan (26%)
- Magenta (4%)
- Yellow (11%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 82.2213, 0.2890, 0.3512 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 82.2213, 0.2890, 0.3512 by changing the saturation by 10% instead.

 82.2213, 0.2890,
0.3512

 82.2213, 0.2890,
0.3512


502.3876, 0.2998,
0.3410

 61.5480, 0.2866,
0.3535

 136.4843, 0.2927,
0.3477

 44.6675, 0.2836,
0.3564


170.8427, 0.2942,
0.3463

 31.1956, 0.2798,
0.3600


210.5317, 0.2954,
0.3451

 20.7479, 0.2750,
0.3647

255.9355, 0.2965,
0.3441

 12.9398, 0.2685,
0.3710

307.4386, 0.2975,
0.3432

 7.3871, 0.2592,
0.3801


365.4254, 0.2983,


 3.7054, 0.2452,


0.3424


430.2803, 0.2991,
0.3417


0.3942


 1.5102, 0.2212,
0.4191


 0.2959, 0.0000,
0.8341


 82.2213, 0.2890,
0.3512


 82.2213, 0.2890,
0.3512


 78.8791, 0.2798,
0.3624


 86.1278, 0.2989,
0.3410

 76.0636, 0.2717,
0.3744

 90.6138, 0.3093,
0.3317

 73.7488, 0.2650,
0.3872

 94.2030, 0.3150,
0.3234

 71.9020, 0.2600,
0.4005

 94.4009, 0.3131,
0.3204

■ 70.4865, 0.2569,
0.4142

■ 69.4602, 0.2559,
0.4279

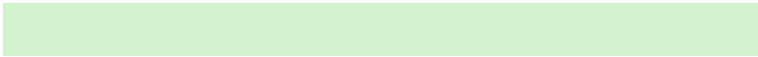
■ 68.7717, 0.2569,
0.4415

■ 68.4445, 0.2585,
0.4505

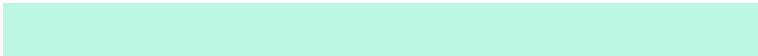
Harmonies

Analogous

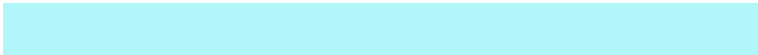
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



82.2213, 0.3138, 0.3692



82.2213, 0.2890, 0.3512



82.2213, 0.2710, 0.3270

Triad

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



82.2213, 0.2890, 0.3512



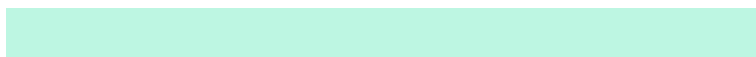
82.2213, 0.2857, 0.2862



82.2213, 0.3641, 0.3501

Complementary

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



82.2213, 0.2890, 0.3512



60.5794, 0.3442, 0.3079

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.



82.2213, 0.3561, 0.3286



82.2213, 0.2890, 0.3512



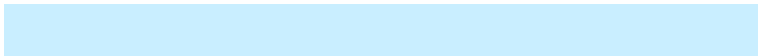
82.2213, 0.3100, 0.2928

Square

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



82.2213, 0.2890, 0.3512



82.2213, 0.2692, 0.2902



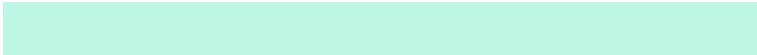
82.2213, 0.3359, 0.3080



82.2213, 0.3576, 0.3673

Rectangle

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



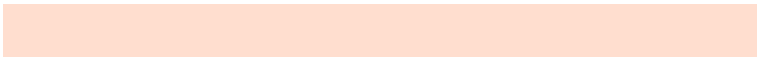
82.2213, 0.2890, 0.3512



82.2213, 0.2650, 0.3115



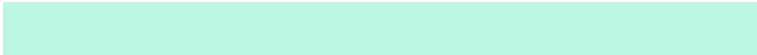
82.2213, 0.3359, 0.3080



82.2213, 0.3630, 0.3431

Sweetspot

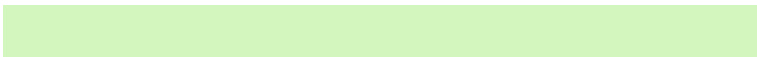
The Sweet Spot groups the original color and five complimentary colors.



82.2247, 0.2890, 0.3512



96.3730, 0.3053, 0.3352



83.2780, 0.3232, 0.3918



20.5641, 0.3047, 0.3357



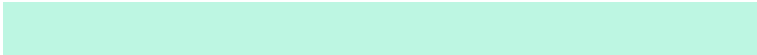
0.0000, 0.0000, 0.0000



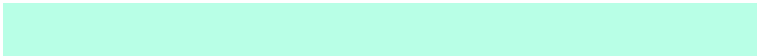
21.4041, 0.3127, 0.3290

Same Dimension

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



82.2247, 0.2890, 0.3512



87.3695, 0.2844, 0.3565



78.8564, 0.2777, 0.3206



18.6532, 0.3027, 0.3374



36.5555, 0.2579, 0.4483



3.2323, 0.2532, 0.4315

Inverse Universe

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



60.5794, 0.3442, 0.3079



59.9628, 0.3528, 0.3032



63.0063, 0.3590, 0.3373



16.5787, 0.3238, 0.3207



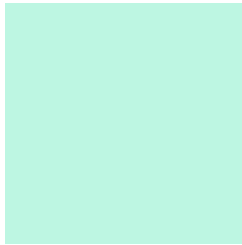
10.8442, 0.5573, 0.2844



0.9718, 0.5226, 0.2653

Previews

White Background



This preview shows how the Yxy color 82.2213, 0.2890, 0.3512 looks on a white background.

Color Contrast Check

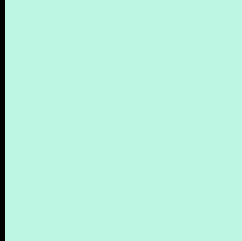
Large Text (above 18pt) WCAG AA × Fail

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 82.2213, 0.2890, 0.3512 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

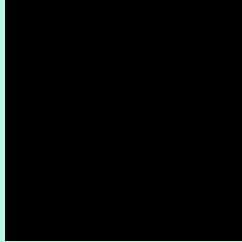
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

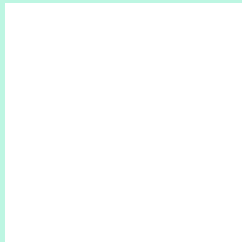
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 82.2213, 0.2890, 0.3512

Background



This preview shows how black text looks on a background with the Yxy color 82.2213, 0.2890, 0.3512.

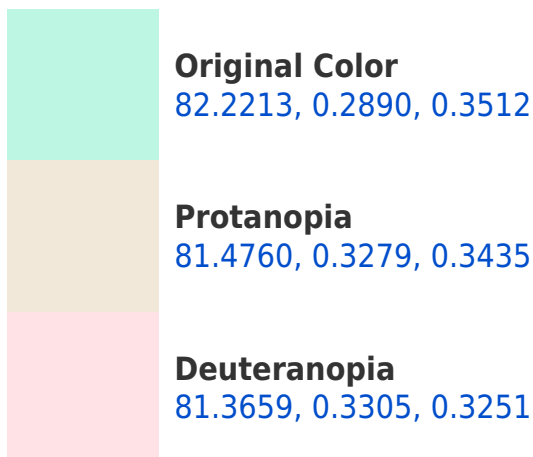


This preview shows how white text looks on a background with the Yxy color 82.2213, 0.2890, 0.3512.

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

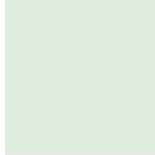
81.7904, 0.2816, 0.3120

Trichromacy



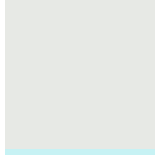
Original Color

82.2213, 0.2890, 0.3512



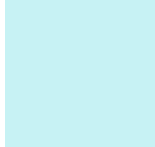
Protanomaly

81.3184, 0.3126, 0.3460



Deuteranomaly

80.9239, 0.3139, 0.3332



Tritanomaly

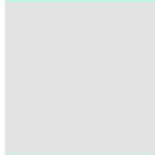
82.1780, 0.2848, 0.3268

Monochromacy



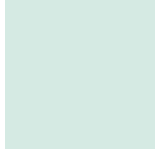
Original Color

82.2213, 0.2890, 0.3512



Achromatopsia

76.8151, 0.3127, 0.3290



Achromatomaly

78.5378, 0.3031, 0.3365

CSS Examples

Text

The CSS property to change the color of the text to Yxy 82.2213, 0.2890, 0.3512 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(189, 246, 226)` looks like.

```
.text, #text, p{  
    color:rgb(189, 246, 226)  
}
```

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(189, 246, 226) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(189, 246, 226) }
```

Border

The CSS property to change the border of an element to Yxy 82.2213, 0.2890, 0.3512 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(189, 246, 226) }
```

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

```
.border{ border-color:rgb(189, 246, 226) }
```

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

Here you see how a box with a 4 pixel `rgb(189, 246, 226)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(189, 246, 226); -webkit-box-  
shadow:4px 4px 4px 4px rgb(189, 246, 226);  
box-shadow:4px 4px 4px 4px rgb(189, 246,  
226) }
```


Background

The CSS property to change the background color of an element to Yxy 82.2213, 0.2890, 0.3512 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(189, 246, 226) }
```

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

```
.background{ background-color: rgb(189,  
246, 226) }
```

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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