

Converting Colors

$Yxy(80.2537, 0.2871, 0.3406)$

Have a look what the booklet for
Yxy(80.2537, 0.2871, 0.3406)
contains.

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Color

Yxy(80.3501, 0.2872, 0.3411)

Conversions

Conversions Part 1

Format	Color
Hex	BFF2E7
RGB	191, 242, 231
RGB Percent	75%, 95%, 91%
CMY	0.2512, 0.0509, 0.0940
CMYK	0.21, 0.00, 0.05, 0.05
HSL	167°, 66%, 85%
HSV	167°, 21%, 95%
XYZ	67.6533, 80.3501, 87.5583
YIQ	225.4970, -26.8650, -14.2330

Conversions

Conversions Part 2

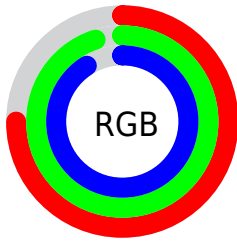
Format	Color
R_{YB}	191, 220, 242
Decimal	12579559
CIE Lab	91.84, -18.40, -0.05
CIE LCh	92, 18.405, 180.156
Yxy	80.3501, 0.2872, 0.3411
Android (android.graphics.Color)	4290769639 (0xFFBFF2E7)
YUV	225.4970, 2.7130, -30.2539
Hunter-Lab	89.6382, -22.1462, 4.8325

Details

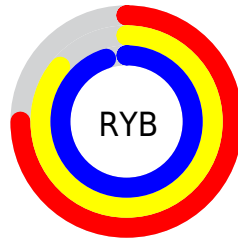
The Yxy color **80.3501, 0.2872, 0.3411** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **60.3795, 0.3463, 0.3173**, and the grayscale version is **75.6615, 0.3127, 0.3290**.

A 20% lighter version of the original color is **98.6965, 0.3084, 0.3290**, and **43.5313, 0.2821, 0.3449** is the 20% darker color. If you saturate the color by 10%, you get **77.1816, 0.2763, 0.3477**, and if you desaturate by 10%, it is **84.0524, 0.2990, 0.3351**.

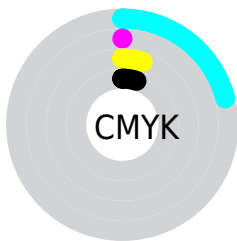
Distribution



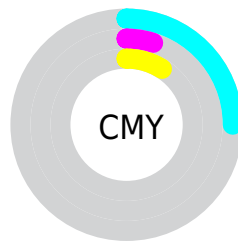
- Red (75%)
- Green (95%)
- Blue (91%)



- Red (75%)
- Yellow (86%)
- Blue (95%)



- Cyan (21%)
- Magenta (0%)
- Yellow (5%)
- Black (5%)





- Cyan (25%)
- Magenta (5%)
- Yellow (9%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 80.3501, 0.2872, 0.3411 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 80.3501, 0.2872, 0.3411 by changing the saturation by 10% instead.

 80.3501, 0.2872,
0.3411

 80.3501, 0.2872,
0.3411


496.1119, 0.2988,
0.3356

 60.0065, 0.2846,
0.3423

 133.8578, 0.2912,
0.3392

 43.4239, 0.2814,
0.3438


167.7908, 0.2927,
0.3385

 30.2178, 0.2774,
0.3457


207.0223, 0.2941,
0.3378

 20.0040, 0.2723,
0.3482


251.9367, 0.2953,
0.3373

 12.3979, 0.2654,
0.3514

302.9185, 0.2963,
0.3368

 7.0153, 0.2556,
0.3560


360.3520, 0.2972,


 3.4717, 0.2409,


0.3364


0.3630


424.6217, 0.2980,
0.3360


 1.3827, 0.2159,
0.3747


 0.2039, 0.0000,
0.4748


 80.3501, 0.2872,
0.3411


 80.3501, 0.2872,
0.3411


 77.1816, 0.2763,
0.3477


 84.0524, 0.2990,
0.3351


 74.5114, 0.2666,
0.3547

 88.3022, 0.3113,
0.3296

 72.3152, 0.2583,
0.3621

 91.4673, 0.3184,
0.3245

 70.5625, 0.2518,
0.3699

 91.7930, 0.3152,
0.3195

69.2194, 0.2472,
0.3778

91.9934, 0.3133,
0.3166

68.2469, 0.2446,
0.3858

67.5983, 0.2439,
0.3938

67.2271, 0.2447,
0.4008

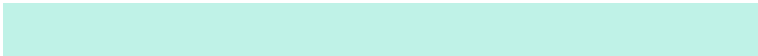
Harmonies

Analogous

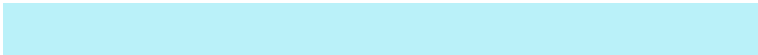
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



80.3501, 0.3066, 0.3582



80.3501, 0.2872, 0.3411



80.3501, 0.2748, 0.3210

Triad

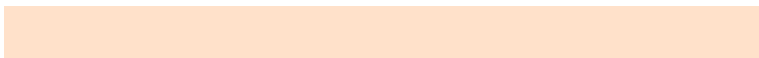
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



80.3501, 0.2872, 0.3411



80.3501, 0.2964, 0.2940



80.3501, 0.3549, 0.3522

Complementary

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



80.3501, 0.2872, 0.3411



60.3795, 0.3463, 0.3173

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.



80.3501, 0.3522, 0.3349



80.3501, 0.2872, 0.3411



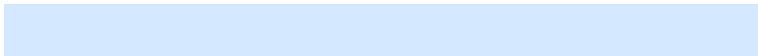
80.3501, 0.3178, 0.3022

Square

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



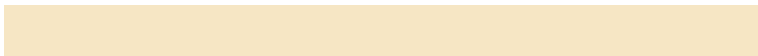
80.3501, 0.2872, 0.3411



80.3501, 0.2800, 0.2945



80.3501, 0.3384, 0.3169



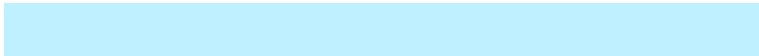
80.3501, 0.3459, 0.3641

Rectangle

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



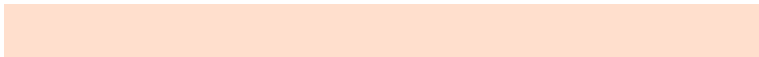
80.3501, 0.2872, 0.3411



80.3501, 0.2719, 0.3090



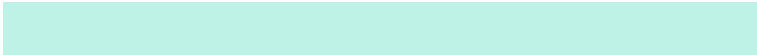
80.3501, 0.3384, 0.3169



80.3501, 0.3553, 0.3468

Sweetspot

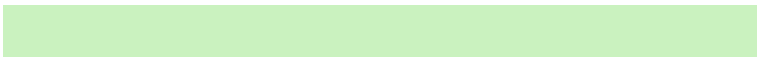
The Sweet Spot groups the original color and five complimentary colors.



80.3534, 0.2872, 0.3411



97.0024, 0.3052, 0.3322



79.8307, 0.3172, 0.3865



20.6957, 0.3044, 0.3326



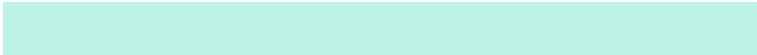
0.0000, 0.0000, 0.0000



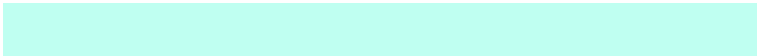
21.4041, 0.3127, 0.3290

Same Dimension

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



80.3534, 0.2872, 0.3411



88.9961, 0.2828, 0.3436



72.7183, 0.2801, 0.3128



17.8673, 0.3010, 0.3341



36.1308, 0.2443, 0.3995



3.0201, 0.2414, 0.3890

Inverse Universe

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



60.3795, 0.3463, 0.3173



63.0373, 0.3544, 0.3150



66.5009, 0.3521, 0.3446



15.8145, 0.3259, 0.3239



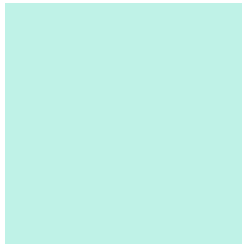
10.2910, 0.6032, 0.3097



0.8704, 0.5673, 0.2899

Previews

White Background



This preview shows how the Yxy color 80.3501, 0.2872, 0.3411 looks on a white background.

Color Contrast Check

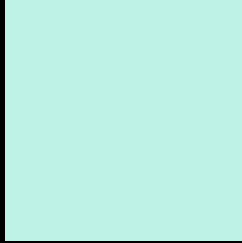
Large Text (above 18pt) WCAG AA × Fail

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 80.3501, 0.2872, 0.3411 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

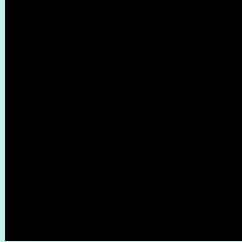
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

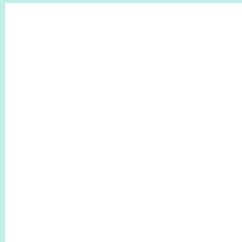
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 80.3501, 0.2872, 0.3411

Background



This preview shows how black text looks on a background with the Yxy color 80.3501, 0.2872, 0.3411.

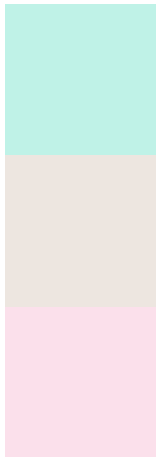


This preview shows how white text looks on a background with the Yxy color 80.3501, 0.2872, 0.3411.

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

80.3501, 0.2872, 0.3411

Protanopia

79.9800, 0.3214, 0.3352

Deuteranopia

79.8187, 0.3245, 0.3180



Tritanopia

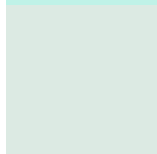
79.9305, 0.2786, 0.3097

Trichromacy



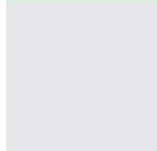
Original Color

80.3501, 0.2872, 0.3411



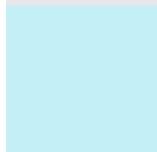
Protanomaly

79.6073, 0.3077, 0.3364



Deuteranomaly

79.7504, 0.3095, 0.3259



Tritanomaly

80.1226, 0.2818, 0.3213

Monochromacy



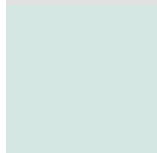
Original Color

80.3501, 0.2872, 0.3411



Achromatopsia

75.2942, 0.3127, 0.3290



Achromatomaly

76.8440, 0.3031, 0.3333

CSS Examples

Text

The CSS property to change the color of the text to Yxy 80.3501, 0.2872, 0.3411 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(191, 242, 231)` looks like.

```
.text, #text, p{  
    color:rgb(191, 242, 231)  
}
```

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(191, 242, 231) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(191, 242, 231) }
```

Border

The CSS property to change the border of an element to Yxy 80.3501, 0.2872, 0.3411 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(191, 242, 231) }
```

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

```
.border{ border-color:rgb(191, 242, 231) }
```

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

Here you see how a box with a 4 pixel `rgb(191, 242, 231)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(191, 242, 231); -webkit-box-  
shadow:4px 4px 4px 4px rgb(191, 242, 231);  
box-shadow:4px 4px 4px 4px rgb(191, 242,  
231) }
```


Background

The CSS property to change the background color of an element to Yxy 80.3501, 0.2872, 0.3411 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(191, 242, 231) }
```

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

```
.background{ background-color: rgb(191,  
242, 231) }
```

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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