

Converting Colors

$Yxy(80.5167, 0.2827, 0.3359)$

Have a look what the booklet for
Yxy(80.5167, 0.2827, 0.3359)
contains.

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Color

Yxy(80.2518, 0.2828, 0.3355)

Conversions

Conversions Part 1

Format	Color
Hex	BCF2EC
RGB	188, 242, 236
RGB Percent	74%, 95%, 93%
CMY	0.2625, 0.0510, 0.0744
CMYK	0.22, 0.00, 0.02, 0.05
HSL	173°, 67%, 84%
HSV	173°, 22%, 95%
XYZ	67.6459, 80.2518, 91.3029
YIQ	225.1700, -30.2580, -13.3140

Conversions

Conversions Part 2

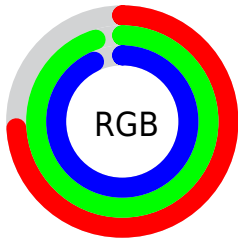
Format	Color
RYB	188, 217, 242
Decimal	12382956
CIELab	91.80, -18.23, -2.74
CIELCh	92, 18.436, 188.548
Yxy	80.2518, 0.2828, 0.3355
Android (android.graphics.Color)	4290573036 (0xFFBCF2EC)
YUV	225.1700, 5.3392, -32.5981
Hunter-Lab	89.5834, -21.9825, 2.2803

Details

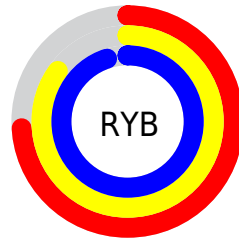
The Yxy color **80.2518, 0.2828, 0.3355** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **58.7651, 0.3533, 0.3227**, and the grayscale version is **75.4122, 0.3127, 0.3290**.

A 20% lighter version of the original color is **98.1525, 0.3066, 0.3290**, and **43.4814, 0.2766, 0.3376** is the 20% darker color. If you saturate the color by 10%, you get **77.2794, 0.2709, 0.3388**, and if you desaturate by 10%, it is **83.7484, 0.2958, 0.3324**.

Distribution



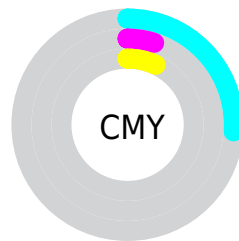
- Red (74%)
- Green (95%)
- Blue (93%)



- Red (74%)
- Yellow (85%)
- Blue (95%)



- Cyan (22%)
- Magenta (0%)
- Yellow (2%)
- Black (5%)





- Cyan (26%)
- Magenta (5%)
- Yellow (7%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 80.2518, 0.2828, 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 80.2518, 0.2828, 0.3355 by changing the saturation by 10% instead.


 80.2518, 0.2828,
0.3355

 80.2518, 0.2828,
0.3355

495.7810, 0.2963,
0.3327

 59.9256, 0.2798,
0.3361


 133.7197, 0.2874,
0.3345

 43.3587, 0.2761,
0.3369


167.6302, 0.2893,
0.3342

 30.1666, 0.2715,
0.3378


206.8375, 0.2908,
0.3338

 19.9651, 0.2655,
0.3389

251.7261, 0.2922,
0.3335

 12.3697, 0.2576,
0.3404

302.6803, 0.2934,
0.3333

 6.9960, 0.2464,
0.3424


360.0847, 0.2945,


 3.4596, 0.2297,

0.3331


0.3451


424.3234, 0.2955,
0.3328

 1.3761, 0.2020,
0.3490

 0.1990, 0.0000,
0.3277

 80.2518, 0.2828,
0.3355

 80.2518, 0.2828,
0.3355


 77.2794, 0.2709,
0.3388


 83.7484, 0.2958,
0.3324


 74.7957, 0.2604,
0.3423

 87.7833, 0.3095,
0.3296


 72.7762, 0.2514,
0.3460


 91.2926, 0.3200,
0.3270


 71.1900, 0.2443,
0.3498


 91.4563, 0.3183,
0.3244

 70.0028, 0.2392,
0.3537


 91.6224, 0.3167,
0.3219

 69.1750, 0.2360,
0.3575

 91.7909, 0.3151,
0.3193

 68.6588, 0.2346,
0.3614

 91.9617, 0.3135,
0.3168

 68.4167, 0.2345,
0.3643

 91.9778, 0.3133,
0.3165

Harmonies

Analogous

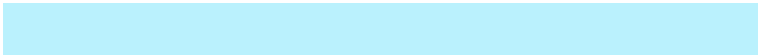
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



80.2518, 0.3007, 0.3542



80.2518, 0.2828, 0.3355



80.2518, 0.2729, 0.3156

Triad

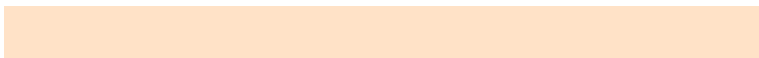
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



80.2518, 0.2828, 0.3355



80.2518, 0.3021, 0.2954



80.2518, 0.3536, 0.3563

Complementary

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



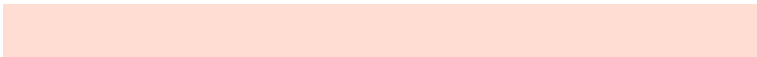
80.2518, 0.2828, 0.3355



58.7651, 0.3533, 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.



80.2518, 0.3542, 0.3400



80.2518, 0.2828, 0.3355



80.2518, 0.3239, 0.3057

Square

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



80.2518, 0.2828, 0.3355



80.2518, 0.2838, 0.2933



80.2518, 0.3432, 0.3217



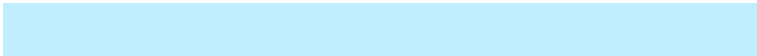
80.2518, 0.3417, 0.3660

Rectangle

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



80.2518, 0.2828, 0.3355



80.2518, 0.2720, 0.3047



80.2518, 0.3432, 0.3217



80.2518, 0.3552, 0.3514

Sweetspot

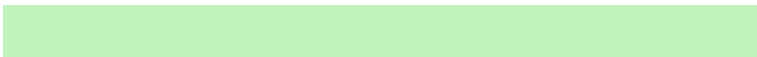
The Sweet Spot groups the original color and five complimentary colors.



80.2551, 0.2828, 0.3355



96.6439, 0.3029, 0.3309



78.6477, 0.3138, 0.3907



20.6269, 0.3021, 0.3311



0.0000, 0.0000, 0.0000



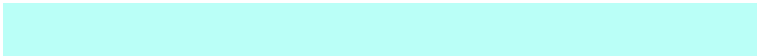
21.4041, 0.3127, 0.3290

Same Dimension

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



80.2551, 0.2828, 0.3355



88.7175, 0.2769, 0.3371



68.9905, 0.2779, 0.3056



17.8971, 0.2996, 0.3316



36.7705, 0.2344, 0.3637



3.0675, 0.2330, 0.3586

Inverse Universe

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



58.7651, 0.3533, 0.3227



60.3253, 0.3650, 0.3212



67.9800, 0.3536, 0.3512



15.7872, 0.3276, 0.3264



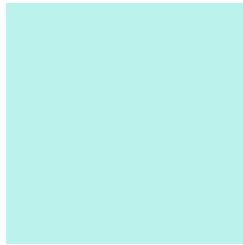
10.1926, 0.6267, 0.3226



0.8572, 0.6002, 0.3080

Previews

White Background



This preview shows how the Yxy color 80.2518, 0.2828, 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 80.2518, 0.2828, 0.3355 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

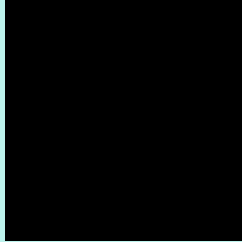
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

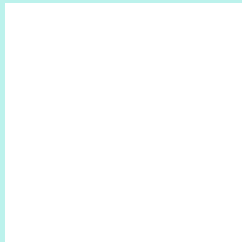
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 80.2518, 0.2828, 0.3355

Background



This preview shows how black text looks on a background with the Yxy color 80.2518, 0.2828, 0.3355.

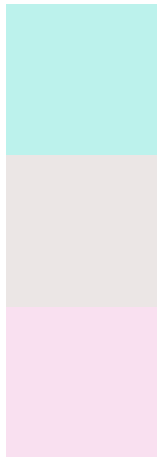


This preview shows how white text looks on a background with the Yxy color 80.2518, 0.2828, 0.3355.

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



Original Color

80.2518, 0.2828, 0.3355

Protanopia

79.9129, 0.3168, 0.3300

Deuteranopia

79.7423, 0.3198, 0.3130



Tritanopia

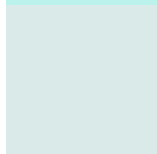
80.2394, 0.2775, 0.3108

Trichromacy



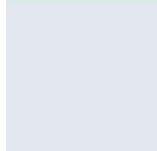
Original Color

80.2518, 0.2828, 0.3355



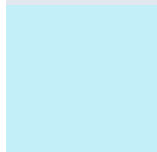
Protanomaly

79.5773, 0.3033, 0.3311



Deuteranomaly

79.7147, 0.3050, 0.3207



Tritanomaly

79.9796, 0.2796, 0.3192

Monochromacy



Original Color

80.2518, 0.2828, 0.3355



Achromatopsia

75.2942, 0.3127, 0.3290



Achromatomaly

76.8060, 0.3012, 0.3311

CSS Examples

Text

The CSS property to change the color of the text to Yxy 80.2518, 0.2828, 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(188, 242, 236)` looks like.

```
.text, #text, p{  
    color:rgb(188, 242, 236)  
}
```

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(188, 242, 236) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(188, 242, 236) }
```

Border

The CSS property to change the border of an element to Yxy 80.2518, 0.2828, 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(188, 242, 236) }
```

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

```
.border{ border-color:rgb(188, 242, 236) }
```

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

Here you see how a box with a 4 pixel `rgb(188, 242, 236)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(188, 242, 236); -webkit-box-  
shadow:4px 4px 4px 4px rgb(188, 242, 236);  
box-shadow:4px 4px 4px 4px rgb(188, 242,  
236) }
```


Background

The CSS property to change the background color of an element to Yxy 80.2518, 0.2828, 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(188, 242, 236) }
```

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

```
.background{ background-color: rgb(188,  
242, 236) }
```

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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