

Converting Colors

$Yxy(80.9116, 0.2940, 0.3426)$

Have a look what the booklet for
Yxy(80.9116, 0.2940, 0.3426)
contains.

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Color

Yxy(80.8471, 0.2937, 0.3421)

Conversions

Conversions Part 1

Format	Color
Hex	C8F1E5
RGB	200, 241, 229
RGB Percent	78%, 95%, 90%
CMY	0.2158, 0.0548, 0.1020
CMYK	0.17, 0.00, 0.05, 0.05
HSL	162°, 59%, 86%
HSV	162°, 17%, 95%
XYZ	69.4089, 80.8471, 86.0699
YIQ	227.3730, -20.5840, -12.4240

Conversions

Conversions Part 2

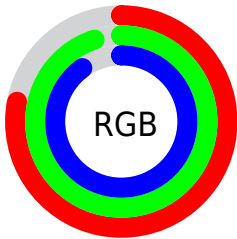
Format	Color
R _Y B	200, 224, 241
Decimal	13169125
CIE Lab	92.06, -15.53, 1.39
CIE LCh	92, 15.595, 174.878
Yxy	80.8471, 0.2937, 0.3421
Android (android.graphics.Color)	4291359205 (0xFFC8F1E5)
YUV	227.3730, 0.8021, -24.0061
Hunter-Lab	89.9150, -19.5601, 6.1860

Details

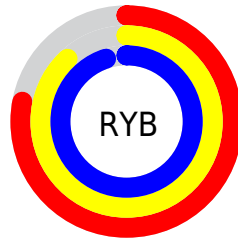
The Yxy color **80.8471, 0.2937, 0.3421** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **64.7474, 0.3361, 0.3163**, and the grayscale version is **77.1038, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **43.8649, 0.2895, 0.3446** is the 20% darker color. If you saturate the color by 10%, you get **77.4039, 0.2833, 0.3508**, and if you desaturate by 10%, it is **84.8361, 0.3047, 0.3341**.

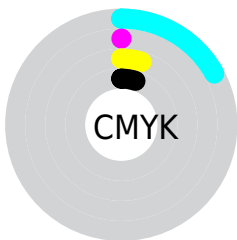
Distribution



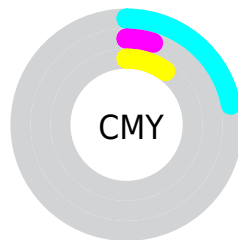
- Red (78%)
- Green (95%)
- Blue (90%)



- Red (78%)
- Yellow (88%)
- Blue (95%)



- Cyan (17%)
- Magenta (0%)
- Yellow (5%)
- Black (5%)




- Cyan (22%)
- Magenta (5%)
- Yellow (10%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 80.8471, 0.2937, 0.3421 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 80.8471, 0.2937, 0.3421 by changing the saturation by 10% instead.

 80.8471, 0.2937,
0.3421

 80.8471, 0.2937,
0.3421

497.7830, 0.3024,
0.3361

 60.4157, 0.2918,
0.3434


134.5561, 0.2967,
0.3400

 43.7538, 0.2894,
0.3451


168.6024, 0.2978,
0.3392

 30.4770, 0.2864,
0.3472


207.9558, 0.2988,
0.3385

 20.2009, 0.2825,
0.3499

253.0007, 0.2997,
0.3379

 12.5412, 0.2773,
0.3536

304.1215, 0.3005,
0.3374

 7.1134, 0.2699,
0.3588


361.7025, 0.3012,


 3.5331, 0.2587,


0.3369

426.1283, 0.3018,
0.3365


0.3668


 1.4160, 0.2396,
0.3807

 0.2285, 0.0000,
0.6014


 80.8471, 0.2937,
0.3421


 80.8471, 0.2937,
0.3421


 77.4039, 0.2833,
0.3508


 84.8361, 0.3047,
0.3341


 74.4718, 0.2739,
0.3603

 89.3838, 0.3161,
0.3270

 72.0275, 0.2658,
0.3704

 91.0920, 0.3163,
0.3202

 70.0420, 0.2592,
0.3811

 91.3994, 0.3133,
0.3156

■ 68.4832, 0.2544,
0.3921

■ 67.3145, 0.2516,
0.4033

■ 66.4934, 0.2508,
0.4145

■ 65.9647, 0.2519,
0.4256

■ 65.8384, 0.2525,
0.4289

Harmonies

Analogous

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



80.8471, 0.3108, 0.3554



80.8471, 0.2937, 0.3421



80.8471, 0.2818, 0.3253

Triad

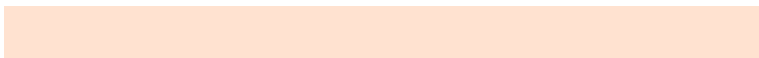
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



80.8471, 0.2937, 0.3421



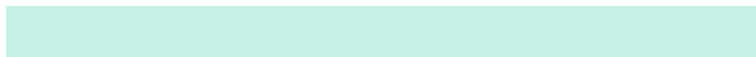
80.8471, 0.2961, 0.2987



80.8471, 0.3487, 0.3464

Complementary

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



80.8471, 0.2937, 0.3421



64.7474, 0.3361, 0.3163

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.



80.8471, 0.3446, 0.3314



80.8471, 0.2937, 0.3421



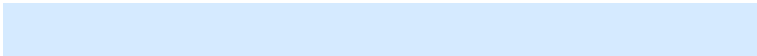
80.8471, 0.3138, 0.3045

Square

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



80.8471, 0.2937, 0.3421



80.8471, 0.2832, 0.3006



80.8471, 0.3317, 0.3162



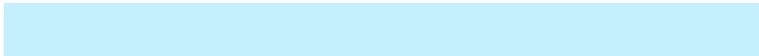
80.8471, 0.3428, 0.3574

Rectangle

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



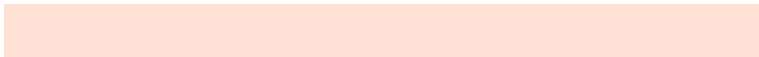
80.8471, 0.2937, 0.3421



80.8471, 0.2783, 0.3147



80.8471, 0.3317, 0.3162



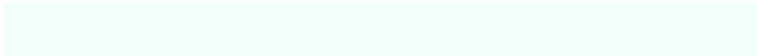
80.8471, 0.3484, 0.3417

Sweetspot

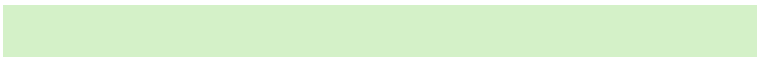
The Sweet Spot groups the original color and five complimentary colors.



80.8505, 0.2937, 0.3421



97.4234, 0.3070, 0.3326



81.1263, 0.3187, 0.3741



20.7779, 0.3062, 0.3331



0.0000, 0.0000, 0.0000



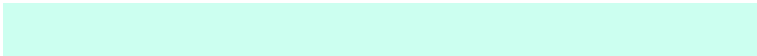
21.4041, 0.3127, 0.3290

Same Dimension

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



80.8505, 0.2937, 0.3421



90.6526, 0.2905, 0.3447



76.7932, 0.2866, 0.3200



17.8455, 0.3020, 0.3360



35.7224, 0.2520, 0.4271



2.9890, 0.2479, 0.4125

Inverse Universe

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



64.7474, 0.3361, 0.3163



69.5567, 0.3412, 0.3139



68.0681, 0.3440, 0.3378



15.8350, 0.3247, 0.3221



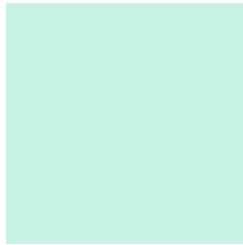
10.4051, 0.5787, 0.2962



0.8823, 0.5414, 0.2756

Previews

White Background



This preview shows how the Yxy color 80.8471, 0.2937, 0.3421 looks on a white background.

Color Contrast Check

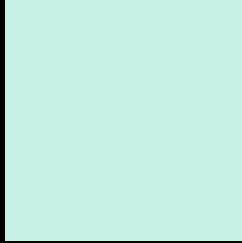
Large Text (above 18pt) WCAG AA × Fail

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 80.8471, 0.2937, 0.3421 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

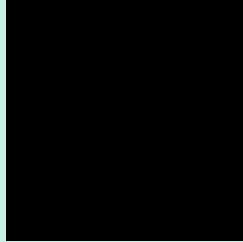
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

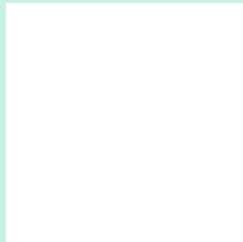
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 80.8471, 0.2937, 0.3421

Background



This preview shows how black text looks on a background with the Yxy color 80.8471, 0.2937, 0.3421.

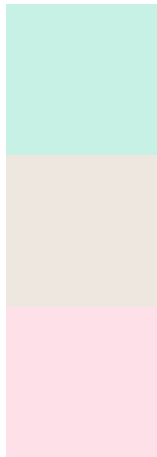


This preview shows how white text looks on a background with the Yxy color 80.8471, 0.2937, 0.3421.

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

80.8471, 0.2937, 0.3421

Protanopia

80.6567, 0.3227, 0.3373

Deuteranopia

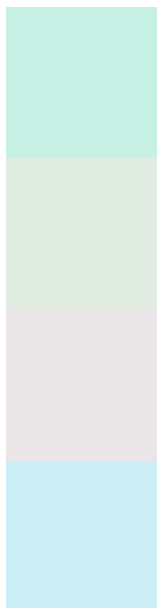
80.2083, 0.3286, 0.3211



Tritanopia

80.9102, 0.2827, 0.3100

Trichromacy



Original Color

80.8471, 0.2937, 0.3421

Protanomaly

80.7002, 0.3116, 0.3396

Deuteranomaly

79.8556, 0.3148, 0.3280

Tritanomaly

80.6403, 0.2865, 0.3204

Monochromacy



Original Color

80.8471, 0.2937, 0.3421

Achromatopsia

76.8151, 0.3127, 0.3290

Achromatomaly

78.0664, 0.3051, 0.3333

CSS Examples

Text

The CSS property to change the color of the text to Yxy 80.8471, 0.2937, 0.3421 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(200, 241, 229)` looks like.

```
.text, #text, p{  
    color:rgb(200, 241, 229)  
}
```

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(200, 241, 229) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(200, 241, 229) }
```

Border

The CSS property to change the border of an element to Yxy 80.8471, 0.2937, 0.3421 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(200, 241, 229) }
```

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

```
.border{ border-color:rgb(200, 241, 229) }
```

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

Here you see how a box with a 4 pixel `rgb(200, 241, 229)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(200, 241, 229); -webkit-box-  
shadow:4px 4px 4px 4px rgb(200, 241, 229);  
box-shadow:4px 4px 4px 4px rgb(200, 241,  
229) }
```


Background

The CSS property to change the background color of an element to Yxy 80.8471, 0.2937, 0.3421 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(200, 241, 229) }
```

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

```
.background{ background-color: rgb(200,  
241, 229) }
```

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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