

Converting Colors

Yxy(80.7314, 0.3042, 0.3430)

Have a look what the booklet for
Yxy(80.7314, 0.3042, 0.3430)
contains.

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Color

Yxy(80.7314, 0.3042, 0.3430)

Conversions

Conversions Part 1

Format	Color
Hex	D5EEE1
RGB	213, 238, 225
RGB Percent	84%, 93%, 88%
CMY	0.1648, 0.0666, 0.1177
CMYK	0.11, 0.00, 0.05, 0.07
HSL	149°, 42%, 88%
HSV	149°, 11%, 93%
XYZ	71.5991, 80.7314, 83.0380
YIQ	229.0430, -10.7270, -9.3430

Conversions

Conversions Part 2

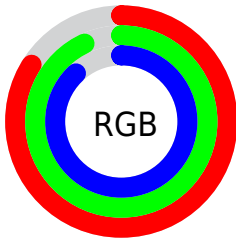
Format	Color
R_{YB}	213, 230, 238
Decimal	14020321
CIE _{Lab}	92.01, -10.62, 3.50
CIE _{LCh}	92, 11.185, 161.761
Y _{xy}	80.7314, 0.3042, 0.3430
Android (android.graphics.Color)	4292210401 (0xFFD5EEE1)
YUV	229.0430, -1.9932, -14.0697
Hunter-Lab	89.8507, -14.9977, 8.1009

Details

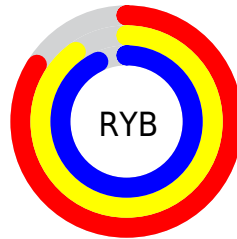
The Yxy color **80.7314, 0.3042, 0.3430** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **71.2458, 0.3222, 0.3154**, and the grayscale version is **78.4075, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **43.6273, 0.3019, 0.3458** is the 20% darker color. If you saturate the color by 10%, you get **76.7823, 0.2963, 0.3579**, and if you desaturate by 10%, it is **85.2586, 0.3123, 0.3297**.

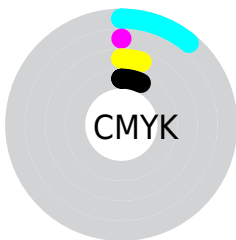
Distribution



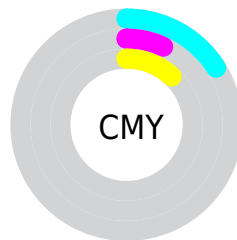
- Red (84%)
- Green (93%)
- Blue (88%)



- Red (84%)
- Yellow (90%)
- Blue (93%)



- Cyan (11%)
- Magenta (0%)
- Yellow (5%)
- Black (7%)





- Cyan (16%)
- Magenta (7%)
- Yellow (12%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 80.7314, 0.3042, 0.3430 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 80.7314, 0.3042, 0.3430 by changing the saturation by 10% instead.

 80.7314, 0.3042,
0.3430

 80.7314, 0.3042,
0.3430


497.3943, 0.3081,
0.3366

 60.3204, 0.3033,
0.3445


134.3936, 0.3055,
0.3408

 43.6769, 0.3022,
0.3463

168.4135, 0.3061,
0.3399

 30.4166, 0.3009,
0.3485


207.7386, 0.3065,
0.3392

 20.1550, 0.2991,
0.3515

252.7531, 0.3069,
0.3385

 12.5078, 0.2966,
0.3555

303.8416, 0.3073,
0.3379

 7.0905, 0.2932,
0.3613

361.3883, 0.3076,

 3.5188, 0.2878,

0.3374

0.3703

425.7778, 0.3079,
0.3370

■ 1.4082, 0.2784,
0.3861

■ 0.2227, 0.0000,
1.0000

■ 80.7314, 0.3042,
0.3430

■ 80.7314, 0.3042,
0.3430

■ 76.7823, 0.2963,
0.3579

■ 85.2586, 0.3123,
0.3297

■ 73.3774, 0.2889,
0.3744

■ 89.3027, 0.3167,
0.3177

■ 70.4946, 0.2823,
0.3924

■ 89.6365, 0.3135,
0.3127

■ 68.1065, 0.2768,
0.4116

■ 66.1831, 0.2728,
0.4318

■ 64.6908, 0.2705,
0.4524

■ 63.5915, 0.2702,
0.4729

■ 62.8397, 0.2719,
0.4926

■ 62.3773, 0.2750,
0.5102

Harmonies

Analogous

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



80.7314, 0.3172, 0.3503



80.7314, 0.3042, 0.3430



80.7314, 0.2936, 0.3318

Triad

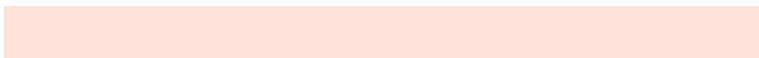
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



80.7314, 0.3042, 0.3430



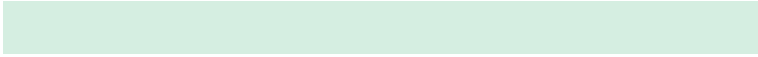
80.7314, 0.2961, 0.3070



80.7314, 0.3380, 0.3372

Complementary

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



80.7314, 0.3042, 0.3430



71.2458, 0.3222, 0.3154

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.



80.7314, 0.3321, 0.3259



80.7314, 0.3042, 0.3430



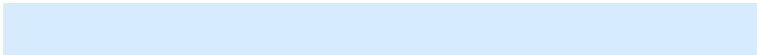
80.7314, 0.3078, 0.3088

Square

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



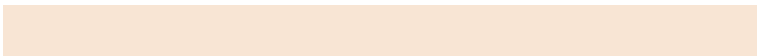
80.7314, 0.3042, 0.3430



80.7314, 0.2890, 0.3110



80.7314, 0.3210, 0.3156



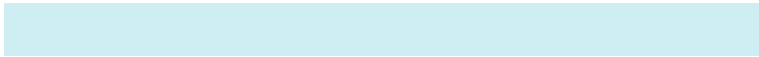
80.7314, 0.3369, 0.3466

Rectangle

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



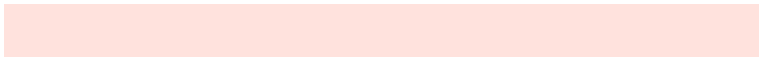
80.7314, 0.3042, 0.3430



80.7314, 0.2892, 0.3237



80.7314, 0.3210, 0.3156



80.7314, 0.3368, 0.3335

Sweetspot

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



80.7348, 0.3042, 0.3430



98.3243, 0.3103, 0.3328



82.1812, 0.3204, 0.3556



20.9519, 0.3096, 0.3339



0.0000, 0.0000, 0.0000



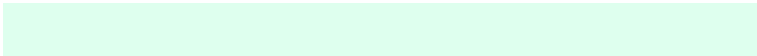
21.4041, 0.3127, 0.3290

Same Dimension

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



80.7348, 0.3042, 0.3430



93.1851, 0.3022, 0.3466



81.4237, 0.2970, 0.3298



17.7828, 0.3050, 0.3415



34.8219, 0.2743, 0.5073



2.9169, 0.2674, 0.4826

Inverse Universe

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



71.2458, 0.3222, 0.3154



79.6600, 0.3248, 0.3120



70.6005, 0.3308, 0.3282



15.8961, 0.3212, 0.3168



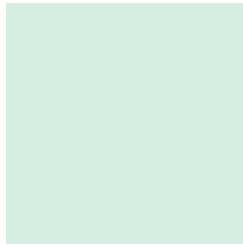
10.9757, 0.4874, 0.2459



0.9332, 0.4595, 0.2305

Previews

White Background



This preview shows how the Yxy color 80.7314, 0.3042, 0.3430 looks on a white background.

Color Contrast Check

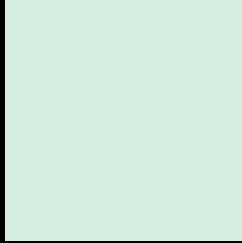
Large Text (above 18pt) WCAG AA × Fail

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 80.7314, 0.3042, 0.3430 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

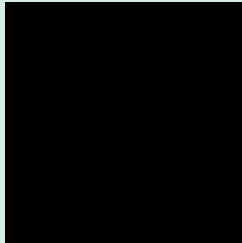
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

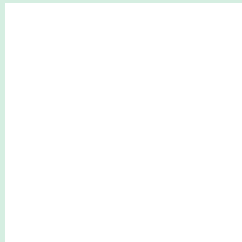
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 80.7314, 0.3042, 0.3430

Background



This preview shows how black text looks on a background with the Yxy color 80.7314, 0.3042, 0.3430.

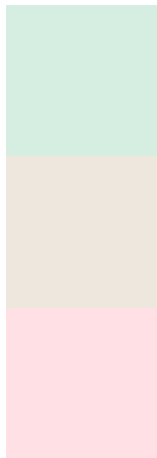


This preview shows how white text looks on a background with the Yxy color 80.7314, 0.3042, 0.3430.

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

80.7314, 0.3042, 0.3430

Protanopia

80.5494, 0.3240, 0.3394

Deuteranopia

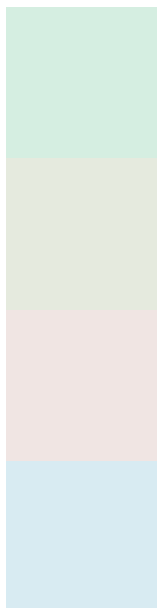
80.1727, 0.3321, 0.3251



Tritanopia

80.7793, 0.2915, 0.3102

Trichromacy



Original Color

80.7314, 0.3042, 0.3430

Protanomaly

80.7776, 0.3169, 0.3416

Deuteranomaly

80.1099, 0.3216, 0.3311

Tritanomaly

80.4264, 0.2961, 0.3216

Monochromacy



Original Color

80.7314, 0.3042, 0.3430

Achromatopsia

78.3538, 0.3127, 0.3290

Achromatomaly

79.0026, 0.3091, 0.3332

CSS Examples

Text

The CSS property to change the color of the text to Yxy 80.7314, 0.3042, 0.3430 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(213, 238, 225)` looks like.

```
.text, #text, p{  
    color:rgb(213, 238, 225)  
}
```

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(213, 238, 225) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(213, 238, 225) }
```

Border

The CSS property to change the border of an element to Yxy 80.7314, 0.3042, 0.3430 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(213, 238, 225) }
```

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

```
.border{ border-color:rgb(213, 238, 225) }
```

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

Here you see how a box with a 4 pixel rgb(213, 238, 225) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(213, 238, 225); -webkit-box-  
shadow:4px 4px 4px 4px rgb(213, 238, 225);  
box-shadow:4px 4px 4px 4px rgb(213, 238,  
225) }
```


Background

The CSS property to change the background color of an element to Yxy 80.7314, 0.3042, 0.3430 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(213, 238, 225) }
```

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

```
.background{ background-color: rgb(213,  
238, 225) }
```

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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