

Converting Colors

$Yxy(80.7044, 0.2943, 0.3432)$

Have a look what the booklet for
Yxy(80.7044, 0.2943, 0.3432)
contains.

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Color

Yxy(80.7914, 0.2943, 0.3432)

Conversions

Conversions Part 1

Format	Color
Hex	C8F1E4
RGB	200, 241, 228
RGB Percent	78%, 95%, 89%
CMY	0.2156, 0.0549, 0.1059
CMYK	0.17, 0.00, 0.05, 0.05
HSL	161°, 59%, 86%
HSV	161°, 17%, 95%
XYZ	69.2800, 80.7914, 85.3347
YIQ	227.2590, -20.2630, -12.7350

Conversions

Conversions Part 2

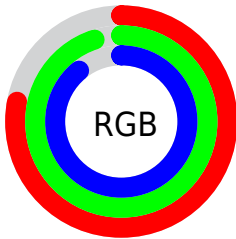
Format	Color
R _{YB}	200, 224, 241
Decimal	13169124
CIE Lab	92.04, -15.70, 1.88
CIE LCh	92, 15.816, 173.182
Yxy	80.7914, 0.2943, 0.3432
Android (android.graphics.Color)	4291359204 (0xFFC8F1E4)
YUV	227.2590, 0.3653, -23.9061
Hunter-Lab	89.8840, -19.7144, 6.6297

Details

The Yxy color **80.7914, 0.2943, 0.3432** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **64.8227, 0.3353, 0.3153**, and the grayscale version is **77.0261, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **43.8260, 0.2902, 0.3461** is the 20% darker color. If you saturate the color by 10%, you get **77.3179, 0.2842, 0.3527**, and if you desaturate by 10%, it is **84.8134, 0.3050, 0.3346**.

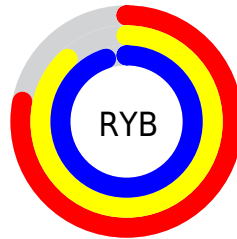
Distribution



Red (78%)

Green (95%)

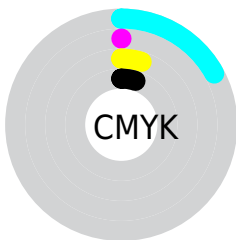
Blue (89%)



Red (78%)

Yellow (88%)

Blue (95%)

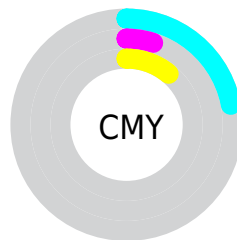


Cyan (17%)

Magenta (0%)

Yellow (5%)

Black (5%)



Cyan (22%)


Magenta (5%)


Yellow (11%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 80.7914, 0.2943, 0.3432 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 80.7914, 0.2943, 0.3432 by changing the saturation by 10% instead.


 80.7914, 0.2943,
0.3432

 80.7914, 0.2943,
0.3432

497.5959, 0.3027,
0.3367

 60.3698, 0.2924,
0.3447

134.4778, 0.2972,
0.3410

 43.7168, 0.2901,
0.3465


168.5115, 0.2983,
0.3401

 30.4479, 0.2872,
0.3488


207.8512, 0.2993,
0.3393

 20.1788, 0.2834,
0.3517

252.8815, 0.3001,
0.3387

 12.5251, 0.2783,
0.3557

303.9867, 0.3009,
0.3381

 7.1024, 0.2712,
0.3614


361.5513, 0.3016,

 3.5262, 0.2602,

0.3376


425.9595, 0.3022,
0.3371


0.3703

 1.4122, 0.2414,
0.3857


 0.2257, 0.0000,
0.6635


 80.7914, 0.2943,
0.3432


 80.7914, 0.2943,
0.3432


 77.3179, 0.2842,
0.3527


 84.8134, 0.3050,
0.3346

 74.3583, 0.2751,
0.3630

 89.3970, 0.3160,
0.3268

 71.8891, 0.2671,
0.3741

 91.1336, 0.3158,
0.3194

 69.8815, 0.2608,
0.3857

 91.3922, 0.3133,
0.3156

■ 68.3030, 0.2562,
0.3977

■ 67.1173, 0.2536,
0.4100

■ 66.2816, 0.2530,
0.4223

■ 65.7410, 0.2544,
0.4343

■ 65.6107, 0.2550,
0.4379

Harmonies

Analogous

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



80.7914, 0.3118, 0.3564



80.7914, 0.2943, 0.3432



80.7914, 0.2819, 0.3262

Triad

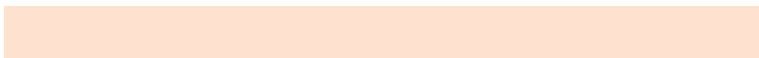
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



80.7914, 0.2943, 0.3432



80.7914, 0.2950, 0.2982



80.7914, 0.3492, 0.3459

Complementary

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



80.7914, 0.2943, 0.3432



64.8227, 0.3353, 0.3153

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.



80.7914, 0.3445, 0.3305



80.7914, 0.2943, 0.3432



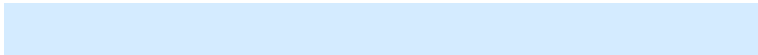
80.7914, 0.3127, 0.3036

Square

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



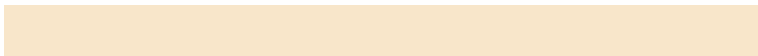
80.7914, 0.2943, 0.3432



80.7914, 0.2822, 0.3006



80.7914, 0.3310, 0.3153



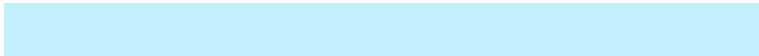
80.7914, 0.3438, 0.3574

Rectangle

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



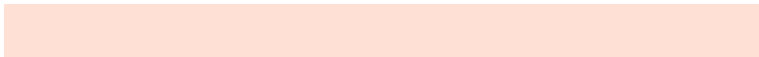
80.7914, 0.2943, 0.3432



80.7914, 0.2780, 0.3153



80.7914, 0.3310, 0.3153



80.7914, 0.3488, 0.3410

Sweetspot

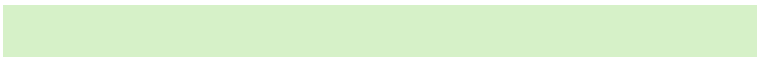
The Sweet Spot groups the original color and five complimentary colors.



80.7948, 0.2943, 0.3432



97.4036, 0.3072, 0.3329



81.3309, 0.3196, 0.3739



20.7731, 0.3064, 0.3335



0.0000, 0.0000, 0.0000



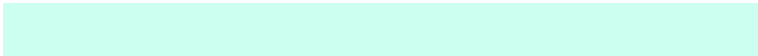
21.4041, 0.3127, 0.3290

Same Dimension

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



80.7948, 0.2943, 0.3432



90.5782, 0.2911, 0.3460



77.5760, 0.2867, 0.3215



17.8386, 0.3023, 0.3366



35.6039, 0.2544, 0.4359



2.9799, 0.2500, 0.4201

Inverse Universe

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



64.8227, 0.3353, 0.3153



69.6231, 0.3403, 0.3127



67.4238, 0.3441, 0.3364



15.8415, 0.3243, 0.3215



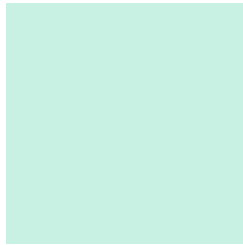
10.4494, 0.5699, 0.2913



0.8867, 0.5327, 0.2708

Previews

White Background



This preview shows how the Yxy color 80.7914, 0.2943, 0.3432 looks on a white background.

Color Contrast Check

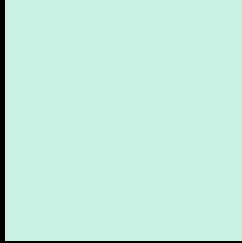
Large Text (above 18pt) WCAG AA × Fail

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 80.7914, 0.2943, 0.3432 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

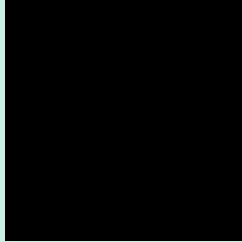
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

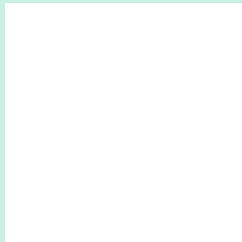
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 80.7914, 0.2943, 0.3432

Background



This preview shows how black text looks on a background with the Yxy color 80.7914, 0.2943, 0.3432.

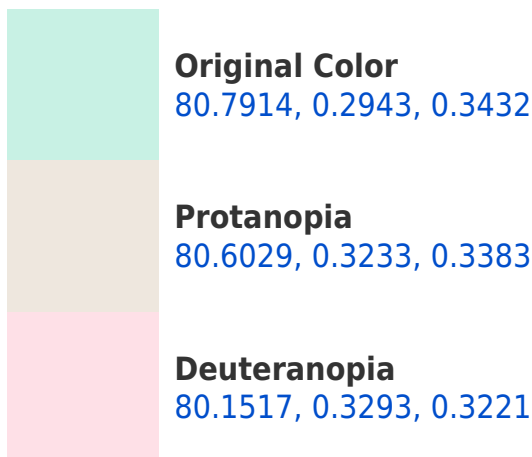


This preview shows how white text looks on a background with the Yxy color 80.7914, 0.2943, 0.3432.

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

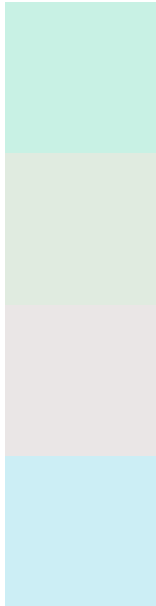




Tritanopia

80.9102, 0.2827, 0.3100

Trichromacy



Original Color

80.7914, 0.2943, 0.3432

Protanomaly

80.6458, 0.3122, 0.3406

Deuteranomaly

79.7992, 0.3155, 0.3290

Tritanomaly

80.5790, 0.2870, 0.3214

Monochromacy



Original Color

80.7914, 0.2943, 0.3432

Achromatopsia

76.8151, 0.3127, 0.3290

Achromatomaly

78.0110, 0.3057, 0.3344

CSS Examples

Text

The CSS property to change the color of the text to Yxy 80.7914, 0.2943, 0.3432 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, 228)` looks like.

```
.text, #text, p{  
    color:rgb(200, 241, 228)  
}
```

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, 228) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(200, 241, 228) }
```

Border

The CSS property to change the border of an element to Yxy 80.7914, 0.2943, 0.3432 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, 228) }
```

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

```
.border{ border-color:rgb(200, 241, 228) }
```

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, 228)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(200, 241, 228); -webkit-box-  
shadow:4px 4px 4px 4px rgb(200, 241, 228);  
box-shadow:4px 4px 4px 4px rgb(200, 241,  
228) }
```


Background

The CSS property to change the background color of an element to Yxy 80.7914, 0.2943, 0.3432 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, 228) }
```

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

```
.background{ background-color: rgb(200,  
241, 228) }
```

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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