

Converting Colors

$Yxy(80.0150, 0.3077, 0.3480)$

Have a look what the booklet for
Yxy(80.0150, 0.3077, 0.3480)
contains.

Yxy(79.8818, 0.3072, 0.3474)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(79.8818, 0.3072, 0.3474)

Conversions

Conversions Part 1

Format	Color
Hex	D5EDDC
RGB	213, 237, 220
RGB Percent	84%, 93%, 86%
CMY	0.1648, 0.0705, 0.1372
CMYK	0.10, 0.00, 0.07, 0.07
HSL	138°, 40%, 88%
HSV	138°, 10%, 93%
XYZ	70.6381, 79.8818, 79.4219
YIQ	227.8860, -8.8470, -10.3750

Conversions

Conversions Part 2

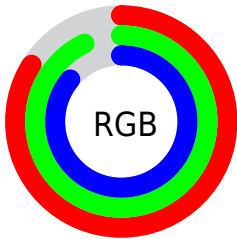
Format	Color
R_{YB}	213, 232, 237
Decimal	14020060
CIE _{Lab}	91.63, -11.03, 5.54
CIE _{LCh}	92, 12.341, 153.341
Yxy	79.8818, 0.3072, 0.3474
Android (android.graphics.Color)	4292210140 (0xFFD5EDDC)
YUV	227.8860, -3.8878, -13.0550
Hunter-Lab	89.3766, -15.3330, 9.8773

Details

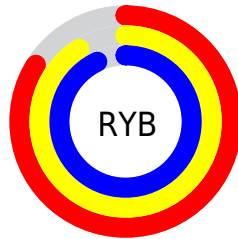
The Yxy color **79.8818, 0.3072, 0.3474** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **71.2894, 0.3187, 0.3113**, and the grayscale version is **77.5284, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **43.0335, 0.3057, 0.3516** is the 20% darker color. If you saturate the color by 10%, you get **75.7534, 0.3018, 0.3679**, and if you desaturate by 10%, it is **84.6238, 0.3126, 0.3292**.

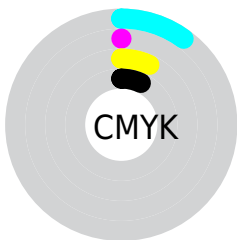
Distribution



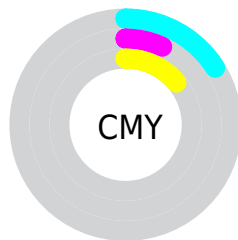
- Red (84%)
- Green (93%)
- Blue (86%)



- Red (84%)
- Yellow (91%)
- Blue (93%)



- Cyan (10%)
- Magenta (0%)
- Yellow (7%)
- Black (7%)



- Cyan (16%)
- Magenta (7%)
- Yellow (14%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 79.8818, 0.3072, 0.3474 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 79.8818, 0.3072, 0.3474 by changing the saturation by 10% instead.

■ 79.8818, 0.3072,
0.3474

■ 79.8818, 0.3072,
0.3474

494.5344, 0.3098,
0.3389

■ 59.6211, 0.3066,
0.3493

133.1995, 0.3081,
0.3445

■ 43.1133, 0.3059,
0.3517

167.0254, 0.3084,
0.3433

■ 29.9740, 0.3049,
0.3548

206.1417, 0.3087,
0.3423

■ 19.8189, 0.3037,
0.3587

250.9329, 0.3090,
0.3415

■ 12.2634, 0.3020,
0.3641

301.7833, 0.3092,
0.3407

■ 6.9234, 0.2996,
0.3720

359.0775, 0.3094,

■ 3.4142, 0.2957,

0.3400

0.3842

423.1997, 0.3096,
0.3394

■ 1.3516, 0.2885,
0.4062

■ 0.1807, 0.0000,
1.0000

■ 79.8818, 0.3072,
0.3474

■ 79.8818, 0.3072,
0.3474

■ 75.7534, 0.3018,
0.3679

■ 84.6238, 0.3126,
0.3292

■ 72.2034, 0.2967,
0.3906

■ 88.9599, 0.3144,
0.3131

■ 69.2084, 0.2921,
0.4155

■ 89.0553, 0.3135,
0.3117

■ 66.7397, 0.2883,
0.4419

■ 64.7656, 0.2856,
0.4693

■ 63.2512, 0.2844,
0.4964

■ 62.1566, 0.2848,
0.5221

■ 61.4347, 0.2868,
0.5449

■ 61.0120, 0.2899,
0.5637

Harmonies

Analogous

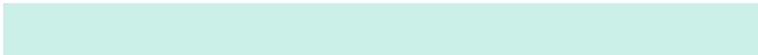
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



79.8818, 0.3217, 0.3538



79.8818, 0.3072, 0.3474



79.8818, 0.2944, 0.3358

Triad

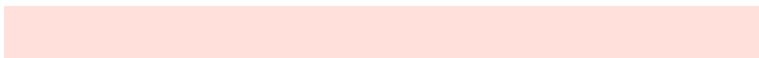
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



79.8818, 0.3072, 0.3474



79.8818, 0.2915, 0.3053



79.8818, 0.3397, 0.3346

Complementary

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



79.8818, 0.3072, 0.3474



71.2894, 0.3187, 0.3113

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.



79.8818, 0.3312, 0.3221



79.8818, 0.3072, 0.3474



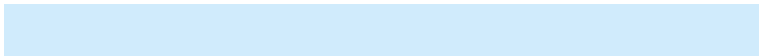
79.8818, 0.3033, 0.3055

Square

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



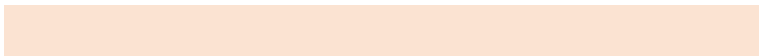
79.8818, 0.3072, 0.3474



79.8818, 0.2855, 0.3114



79.8818, 0.3178, 0.3116



79.8818, 0.3407, 0.3459

Rectangle

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



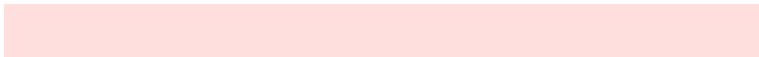
79.8818, 0.3072, 0.3474



79.8818, 0.2884, 0.3268



79.8818, 0.3178, 0.3116



79.8818, 0.3376, 0.3304

Sweetspot

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



79.8852, 0.3072, 0.3474



98.2346, 0.3111, 0.3342



82.2337, 0.3231, 0.3543



20.9277, 0.3106, 0.3357



0.0000, 0.0000, 0.0000



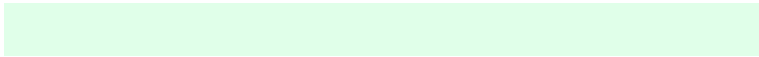
21.4041, 0.3127, 0.3290

Same Dimension

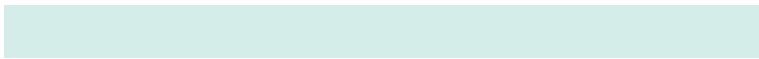
The Same Dimension uses a secret algorithm to generate beautiful new colors.



79.8852, 0.3072, 0.3474



93.3363, 0.3062, 0.3511



80.5315, 0.3002, 0.3345



16.9349, 0.3076, 0.3461



33.3264, 0.2891, 0.5609



2.6332, 0.2815, 0.5333

Inverse Universe

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



71.2894, 0.3187, 0.3113



81.4415, 0.3199, 0.3079



70.6500, 0.3269, 0.3235



15.2340, 0.3183, 0.3125



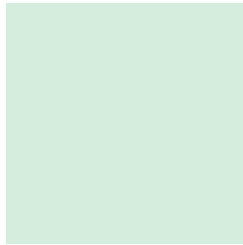
11.3859, 0.4120, 0.2043



0.9107, 0.3964, 0.1957

Previews

White Background



This preview shows how the Yxy color 79.8818, 0.3072, 0.3474 looks on a white background.

Color Contrast Check

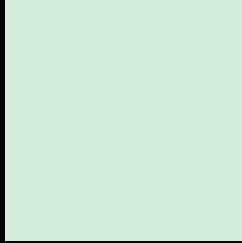
Large Text (above 18pt) WCAG AA × Fail

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 79.8818, 0.3072, 0.3474 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

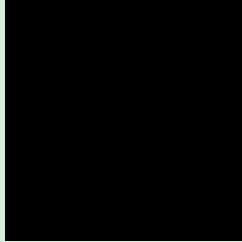
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

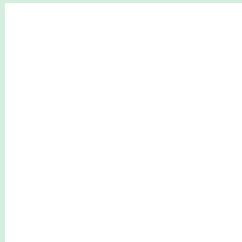
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 79.8818, 0.3072, 0.3474

Background



This preview shows how black text looks on a background with the Yxy color 79.8818, 0.3072, 0.3474.

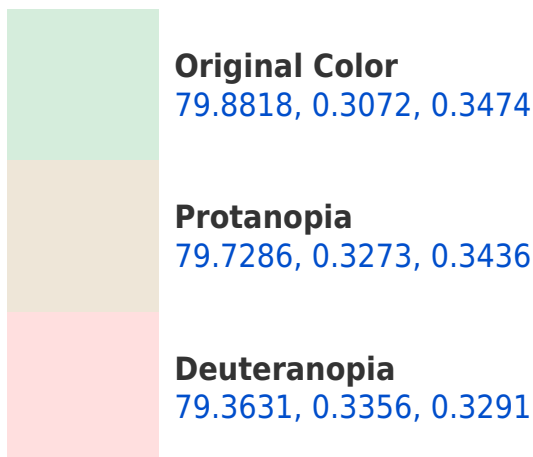


This preview shows how white text looks on a background with the Yxy color 79.8818, 0.3072, 0.3474.

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

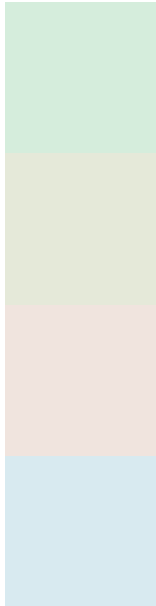




Tritanopia

79.5837, 0.2920, 0.3091

Trichromacy



Original Color

79.8818, 0.3072, 0.3474

Protanomaly

79.9456, 0.3201, 0.3459

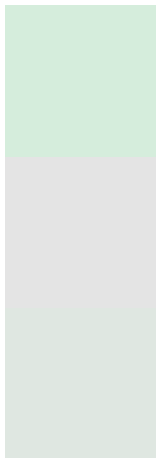
Deuteranomaly

79.2860, 0.3250, 0.3352

Tritanomaly

79.7358, 0.2973, 0.3226

Monochromacy



Original Color

79.8818, 0.3072, 0.3474

Achromatopsia

77.5822, 0.3127, 0.3290

Achromatomaly

78.2760, 0.3111, 0.3354

CSS Examples

Text

The CSS property to change the color of the text to Yxy 79.8818, 0.3072, 0.3474 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, 237, 220)` looks like.

```
.text, #text, p{  
    color:rgb(213, 237, 220)  
}
```

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, 237, 220) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(213, 237, 220) }
```

Border

The CSS property to change the border of an element to Yxy 79.8818, 0.3072, 0.3474 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, 237, 220) }
```

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

```
.border{ border-color:rgb(213, 237, 220) }
```

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

Here you see how a box with a 4 pixel `rgb(213, 237, 220)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(213, 237, 220); -webkit-box-  
shadow:4px 4px 4px 4px rgb(213, 237, 220);  
box-shadow:4px 4px 4px 4px rgb(213, 237,  
220) }
```


Background

The CSS property to change the background color of an element to Yxy 79.8818, 0.3072, 0.3474 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(213, 237, 220) }
```

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

```
.background{ background-color: rgb(213,  
237, 220) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor