

Converting Colors

Yxy(82.4666, 0.3031, 0.3310)

Have a look what the booklet for
Yxy(82.4666, 0.3031, 0.3310)
contains.

Yxy(82.5774, 0.3028, 0.3311)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(82.5774, 0.3028, 0.3311)

Conversions

Conversions Part 1

Format	Color
Hex	DDEEEC
RGB	221, 238, 236
RGB Percent	87%, 93%, 93%
CMY	0.1336, 0.0666, 0.0746
CMYK	0.07, 0.00, 0.01, 0.07
HSL	173°, 33%, 90%
HSV	173°, 7%, 93%
XYZ	75.5193, 82.5774, 91.3065
YIQ	232.6890, -9.4900, -4.2260

Conversions

Conversions Part 2

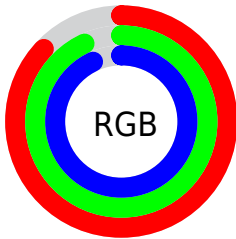
Format	Color
R _Y B	221, 230, 238
Decimal	14544620
CIE Lab	92.83, -5.99, -0.96
CIE LCh	93, 6.066, 189.149
Yxy	82.5774, 0.3028, 0.3311
Android (android.graphics.Color)	4292734700 (0xFFDDEEEEC)
YUV	232.6890, 1.6323, -10.2513
Hunter-Lab	90.8721, -10.6837, 4.0370

Details

The Yxy color **82.5774, 0.3028, 0.3311** is a light color, and the websafe version is hex **FFFFFF**. A complement of this color would be **75.1909, 0.3236, 0.3269**, and the grayscale version is **81.2278, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **44.8582, 0.3009, 0.3317** is the 20% darker color. If you saturate the color by 10%, you get **78.9436, 0.2895, 0.3343**, and if you desaturate by 10%, it is **86.7504, 0.3167, 0.3282**.

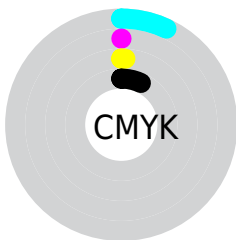
Distribution



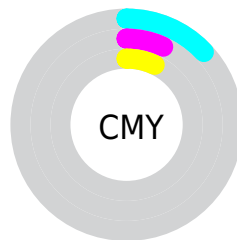
- Red (87%)
- Green (93%)
- Blue (93%)



- Red (87%)
- Yellow (90%)
- Blue (93%)



- Cyan (7%)
- Magenta (0%)
- Yellow (1%)
- Black (7%)



- Cyan (13%)
- Magenta (7%)
- Yellow (7%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 82.5774, 0.3028, 0.3311 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 82.5774, 0.3028, 0.3311 by changing the saturation by 10% instead.

82.5774, 0.3028,
0.3311

82.5774, 0.3028,
0.3311

503.5770, 0.3073,
0.3302

61.8416, 0.3018,
0.3313

136.9834, 0.3043,
0.3308

44.9047, 0.3006,
0.3316

171.4224, 0.3049,
0.3307

31.3824, 0.2990,
0.3319

211.1979, 0.3055,
0.3306

20.8902, 0.2971,
0.3323

256.6943, 0.3059,
0.3305

13.0438, 0.2944,
0.3328

308.2961, 0.3063,
0.3304

7.4587, 0.2907,
0.3335

366.3875, 0.3067,

3.7506, 0.2851,

0.3303

431.3530, 0.3070,
0.3302

0.3346

■ 1.5350, 0.2757,
0.3364

■ 0.3132, 0.1735,
0.3587

■ 82.5774, 0.3028,
0.3311

■ 82.5774, 0.3028,
0.3311

■ 78.9436, 0.2895,
0.3343

■ 86.7504, 0.3167,
0.3282

■ 75.8164, 0.2772,
0.3377

■ 88.8120, 0.3218,
0.3255


■ 73.1754, 0.2660,
0.3414


■ 88.9833, 0.3200,
0.3227


■ 70.9951, 0.2563,
0.3453


■ 89.1571, 0.3182,
0.3200


 69.2475, 0.2483,
0.3493


 89.3337, 0.3165,
0.3173


 67.9013, 0.2422,
0.3535

 89.5129, 0.3147,
0.3146

 66.9216, 0.2380,
0.3577

 89.6419, 0.3135,
0.3127

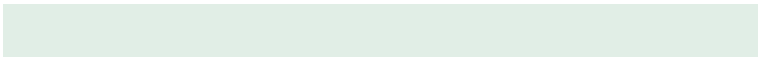
 66.2668, 0.2358,
0.3618

 65.8832, 0.2353,
0.3660

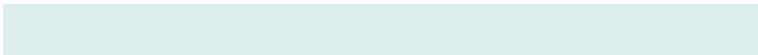
Harmonies

Analogous

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



82.5774, 0.3088, 0.3369



82.5774, 0.3028, 0.3311



82.5774, 0.2995, 0.3248

Triad

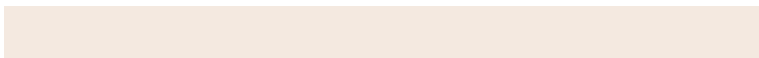
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



82.5774, 0.3028, 0.3311



82.5774, 0.3095, 0.3178



82.5774, 0.3259, 0.3382

Complementary

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



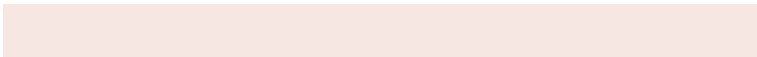
82.5774, 0.3028, 0.3311



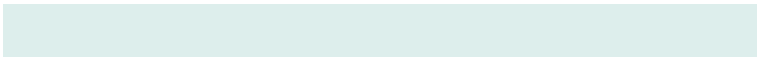
75.1909, 0.3236, 0.3269

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.



82.5774, 0.3261, 0.3330



82.5774, 0.3028, 0.3311



82.5774, 0.3166, 0.3213

Square

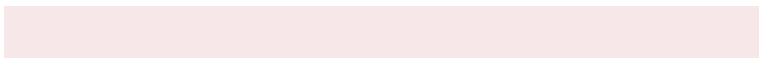
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



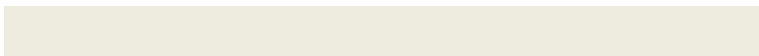
82.5774, 0.3028, 0.3311



82.5774, 0.3033, 0.3172



82.5774, 0.3227, 0.3269



82.5774, 0.3221, 0.3410

Rectangle

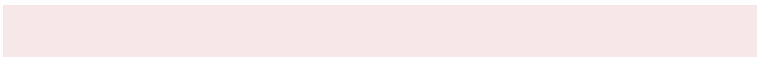
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



82.5774, 0.3028, 0.3311



82.5774, 0.2992, 0.3212



82.5774, 0.3227, 0.3269



82.5774, 0.3264, 0.3367

Sweetspot

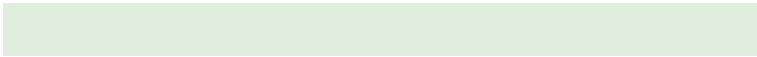
The Sweet Spot groups the original color and five complimentary colors.



82.5809, 0.3028, 0.3311



99.0065, 0.3099, 0.3296



82.1026, 0.3134, 0.3471



21.2019, 0.3101, 0.3295



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.



82.5809, 0.3028, 0.3311



95.7295, 0.3003, 0.3317



79.1161, 0.3016, 0.3224



17.8947, 0.2997, 0.3318



36.7148, 0.2351, 0.3665



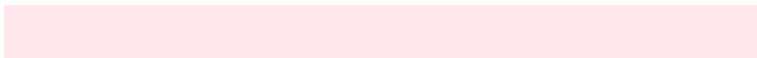
3.0634, 0.2336, 0.3610

Inverse Universe

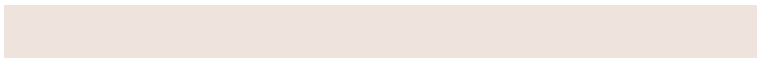
The Inverse Universe completely reimagines the original color for something new.



75.1909, 0.3236, 0.3269



84.9869, 0.3267, 0.3264



78.4495, 0.3244, 0.3355



15.7894, 0.3275, 0.3262



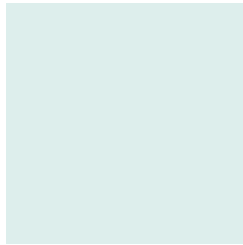
10.1984, 0.6253, 0.3218



0.8583, 0.5974, 0.3065

Previews

White Background



This preview shows how the Yxy color 82.5774, 0.3028, 0.3311 looks on a white background.

Color Contrast Check

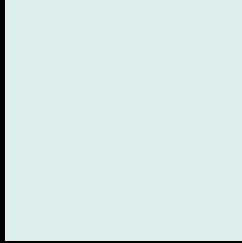
Large Text (above 18pt) WCAG AA × Fail

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 82.5774, 0.3028, 0.3311 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

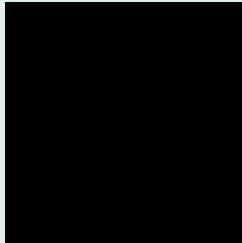
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

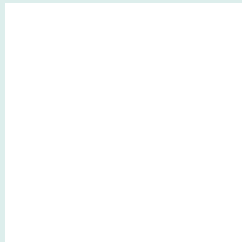
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 82.5774, 0.3028, 0.3311

Background



This preview shows how black text looks on a background with the Yxy color 82.5774, 0.3028, 0.3311.

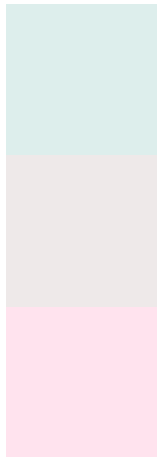


This preview shows how white text looks on a background with the Yxy color 82.5774, 0.3028, 0.3311.

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

82.5774, 0.3028, 0.3311

Protanopia

82.3382, 0.3161, 0.3290

Deuteranopia

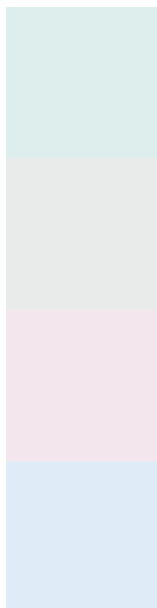
82.3712, 0.3250, 0.3182



Tritanopia

82.4197, 0.2942, 0.3095

Trichromacy



Original Color

82.5774, 0.3028, 0.3311

Protanomaly

82.5130, 0.3113, 0.3300

Deuteranomaly

82.3209, 0.3171, 0.3230

Tritanomaly

82.3943, 0.2976, 0.3176

Monochromacy



Original Color

82.5774, 0.3028, 0.3311

Achromatopsia

81.4847, 0.3127, 0.3290

Achromatomaly

82.0152, 0.3093, 0.3300

CSS Examples

Text

The CSS property to change the color of the text to Yxy 82.5774, 0.3028, 0.3311 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(221, 238, 236)` looks like.

```
.text, #text, p{  
    color:rgb(221, 238, 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(221, 238, 236) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(221, 238, 236) }
```

Border

The CSS property to change the border of an element to Yxy 82.5774, 0.3028, 0.3311 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(221, 238, 236) }
```

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

```
.border{ border-color:rgb(221, 238, 236) }
```

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

Here you see how a box with a 4 pixel `rgb(221, 238, 236)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(221, 238, 236); -webkit-box-shadow:4px 4px 4px 4px rgb(221, 238, 236); box-shadow:4px 4px 4px 4px rgb(221, 238, 236) }
```


Background

The CSS property to change the background color of an element to Yxy 82.5774, 0.3028, 0.3311 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(221, 238, 236) }
```

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

```
.background{ background-color: rgb(221,  
238, 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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