

Converting Colors

$Yxy(80.3715, 0.3043, 0.3306)$

Have a look what the booklet for
Yxy(80.3715, 0.3043, 0.3306)
contains.

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Color

Yxy(80.5155, 0.3040, 0.3311)

Conversions

Conversions Part 1

Format	Color
Hex	DCEBE9
RGB	220, 235, 233
RGB Percent	86%, 92%, 91%
CMY	0.1374, 0.0784, 0.0863
CMYK	0.06, 0.00, 0.01, 0.08
HSL	172°, 27%, 89%
HSV	172°, 6%, 92%
XYZ	73.9254, 80.5155, 88.7348
YIQ	230.2870, -8.2980, -3.8020

Conversions

Conversions Part 2

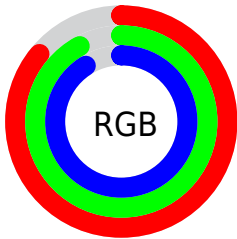
Format	Color
R _Y B	220, 228, 235
Decimal	14478313
CIE Lab	91.92, -5.33, -0.75
CIE LCh	92, 5.386, 188.025
Yxy	80.5155, 0.3040, 0.3311
Android (android.graphics.Color)	4292668393 (0xFFDCEBE9)
YUV	230.2870, 1.3375, -9.0217
Hunter-Lab	89.7304, -9.9690, 4.1791

Details

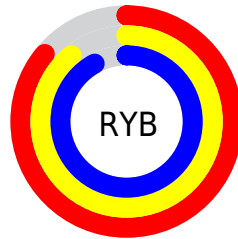
The Yxy color **80.5155, 0.3040, 0.3311** is a light color, and the websafe version is hex **FFFFFF**. A complement of this color would be **74.1109, 0.3222, 0.3269**, and the grayscale version is **79.3480, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **43.4139, 0.3024, 0.3317** is the 20% darker color. If you saturate the color by 10%, you get **76.9284, 0.2909, 0.3347**, and if you desaturate by 10%, it is **84.6280, 0.3177, 0.3279**.

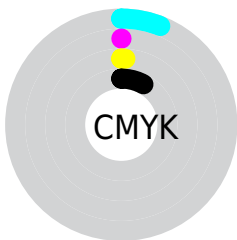
Distribution



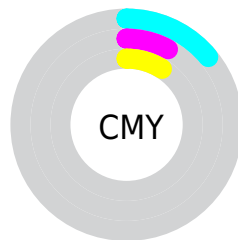
- Red (86%)
- Green (92%)
- Blue (91%)



- Red (86%)
- Yellow (89%)
- Blue (92%)



- Cyan (6%)
- Magenta (0%)
- Yellow (1%)
- Black (8%)



- Cyan (14%)
- Magenta (8%)
- Yellow (9%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 80.5155, 0.3040, 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 80.5155, 0.3040, 0.3311 by changing the saturation by 10% instead.

■ 80.5155, 0.3040,
0.3311

■ 80.5155, 0.3040,
0.3311

496.6684, 0.3080,
0.3302

■ 60.1426, 0.3031,
0.3313

134.0903, 0.3054,
0.3308

■ 43.5336, 0.3020,
0.3316

168.0610, 0.3059,
0.3307

■ 30.3040, 0.3007,
0.3319

207.3330, 0.3064,
0.3305

■ 20.0695, 0.2989,
0.3323

252.2909, 0.3068,
0.3304

■ 12.4456, 0.2965,
0.3328

303.3190, 0.3071,
0.3304

■ 7.0479, 0.2931,
0.3336

360.8017, 0.3074,

■ 3.4921, 0.2880,

0.3303

425.1234, 0.3077,
0.3302

0.3348

■ 1.3937, 0.2793,
0.3367

■ 0.2121, 0.1259,
0.3741

■ 80.5155, 0.3040,
0.3311

■ 80.5155, 0.3040,
0.3311

■ 76.9284, 0.2909,
0.3347

■ 84.6280, 0.3177,
0.3279

■ 73.8352, 0.2786,
0.3385

■ 86.9330, 0.3235,
0.3248

■ 71.2163, 0.2675,
0.3427

■ 87.1208, 0.3215,
0.3218

■ 69.0470, 0.2578,
0.3470


■ 87.3119, 0.3195,
0.3187

 67.3004, 0.2498,
0.3516


 87.5062, 0.3175,
0.3157


 65.9467, 0.2436,
0.3563

 87.7037, 0.3156,
0.3127

 64.9520, 0.2394,
0.3610

 87.9039, 0.3136,
0.3098

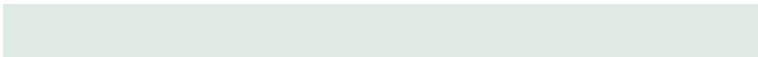
 64.2769, 0.2371,
0.3658

 63.8719, 0.2366,
0.3704

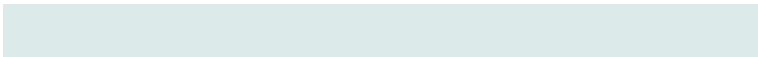
Harmonies

Analogous

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



80.5155, 0.3094, 0.3362



80.5155, 0.3040, 0.3311



80.5155, 0.3009, 0.3254

Triad

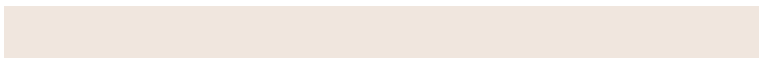
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



80.5155, 0.3040, 0.3311



80.5155, 0.3096, 0.3189



80.5155, 0.3246, 0.3371

Complementary

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



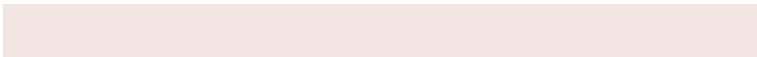
80.5155, 0.3040, 0.3311



74.1109, 0.3222, 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.



80.5155, 0.3247, 0.3324



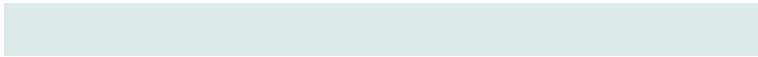
80.5155, 0.3040, 0.3311



80.5155, 0.3160, 0.3220

Square

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



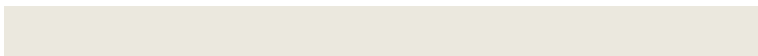
80.5155, 0.3040, 0.3311



80.5155, 0.3041, 0.3184



80.5155, 0.3215, 0.3269



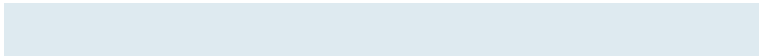
80.5155, 0.3213, 0.3397

Rectangle

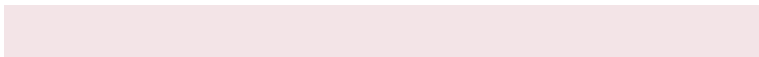
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



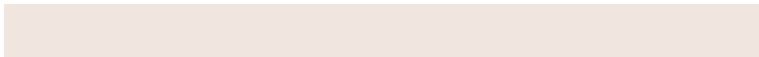
80.5155, 0.3040, 0.3311



80.5155, 0.3006, 0.3222



80.5155, 0.3215, 0.3269



80.5155, 0.3250, 0.3357

Sweetspot

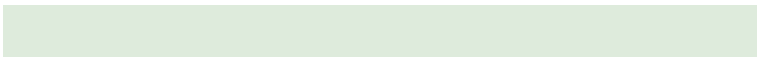
The Sweet Spot groups the original color and five complimentary colors.



80.5189, 0.3040, 0.3311



99.0017, 0.3100, 0.3296



80.1560, 0.3135, 0.3450



21.2009, 0.3101, 0.3296



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

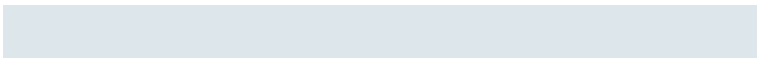
The Same Dimension uses a secret algorithm to generate beautiful new colors.



80.5189, 0.3040, 0.3311



96.1596, 0.3018, 0.3317



77.6650, 0.3028, 0.3234



17.0852, 0.2999, 0.3322



35.4965, 0.2365, 0.3714



2.7969, 0.2347, 0.3649

Inverse Universe

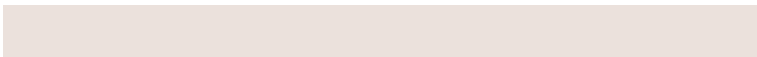
The Inverse Universe completely reimagines the original color for something new.



74.1109, 0.3222, 0.3269



86.5816, 0.3248, 0.3264



76.8097, 0.3231, 0.3346



15.0869, 0.3272, 0.3259



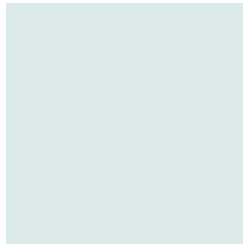
9.8967, 0.6224, 0.3202



0.7876, 0.5908, 0.3028

Previews

White Background



This preview shows how the Yxy color 80.5155, 0.3040, 0.3311 looks on a white background.

Color Contrast Check

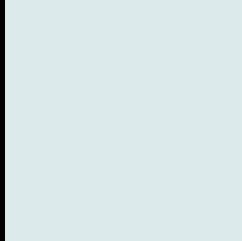
Large Text (above 18pt) WCAG AA × Fail

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 80.5155, 0.3040, 0.3311 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

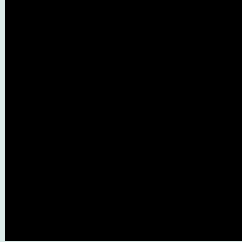
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

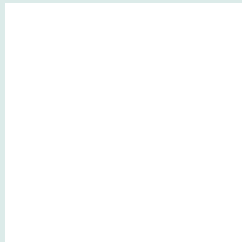
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 80.5155, 0.3040, 0.3311

Background



This preview shows how black text looks on a background with the Yxy color 80.5155, 0.3040, 0.3311.

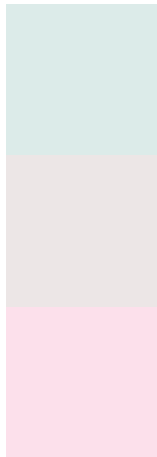


This preview shows how white text looks on a background with the Yxy color 80.5155, 0.3040, 0.3311.

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

80.5155, 0.3040, 0.3311

Protanopia

80.1397, 0.3168, 0.3290

Deuteranopia

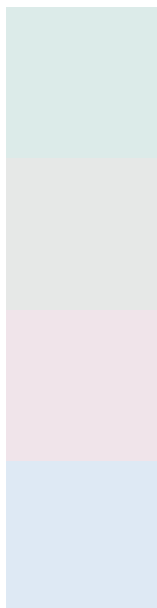
80.0049, 0.3252, 0.3181



Tritanopia

80.3662, 0.2952, 0.3093

Trichromacy



Original Color

80.5155, 0.3040, 0.3311

Protanomaly

80.3057, 0.3120, 0.3300

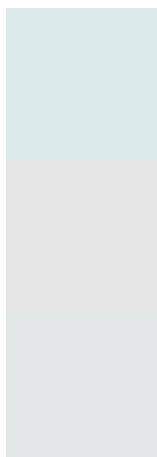
Deuteranomaly

79.9526, 0.3171, 0.3229

Tritanomaly

80.3391, 0.2987, 0.3175

Monochromacy



Original Color

80.5155, 0.3040, 0.3311

Achromatopsia

79.1298, 0.3127, 0.3290

Achromatomaly

79.6515, 0.3093, 0.3300

CSS Examples

Text

The CSS property to change the color of the text to Yxy 80.5155, 0.3040, 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(220, 235, 233)` looks like.

```
.text, #text, p{  
    color:rgb(220, 235, 233)  
}
```

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(220, 235, 233) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(220, 235, 233) }
```

Border

The CSS property to change the border of an element to Yxy 80.5155, 0.3040, 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(220, 235, 233) }
```

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

```
.border{ border-color:rgb(220, 235, 233) }
```

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

Here you see how a box with a 4 pixel `rgb(220, 235, 233)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(220, 235, 233); -webkit-box-  
shadow:4px 4px 4px 4px rgb(220, 235, 233);  
box-shadow:4px 4px 4px 4px rgb(220, 235,  
233) }
```


Background

The CSS property to change the background color of an element to Yxy 80.5155, 0.3040, 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(220, 235, 233) }
```

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

```
.background{ background-color: rgb(220,  
235, 233) }
```

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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