

Converting Colors

$Yxy(80.3328, 0.3003, 0.3331)$

Have a look what the booklet for
Yxy(80.3328, 0.3003, 0.3331)
contains.

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Color

Yxy(80.1702, 0.3001, 0.3322)

Conversions

Conversions Part 1

Format	Color
Hex	D6ECE9
RGB	214, 236, 233
RGB Percent	84%, 93%, 91%
CMY	0.1610, 0.0744, 0.0863
CMYK	0.09, 0.00, 0.01, 0.07
HSL	172°, 37%, 88%
HSV	172°, 9%, 93%
XYZ	72.4235, 80.1702, 88.7375
YIQ	229.0800, -12.1490, -5.5970

Conversions

Conversions Part 2

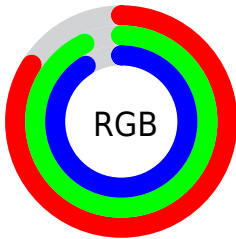
Format	Color
R _Y B	214, 226, 236
Decimal	14085353
CIE Lab	91.76, -7.80, -1.02
CIE LCh	92, 7.869, 187.449
Yxy	80.1702, 0.3001, 0.3322
Android (android.graphics.Color)	4292275433 (0xFFD6ECE9)
YUV	229.0800, 1.9326, -13.2252
Hunter-Lab	89.5378, -12.3098, 3.9164

Details

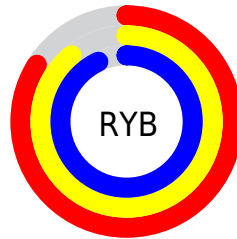
The Yxy color **80.1702, 0.3001, 0.3322** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **70.9161, 0.3269, 0.3258**, and the grayscale version is **78.4052, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **43.1878, 0.2974, 0.3331** is the 20% darker color. If you saturate the color by 10%, you get **76.6932, 0.2872, 0.3360**, and if you desaturate by 10%, it is **84.1718, 0.3136, 0.3288**.

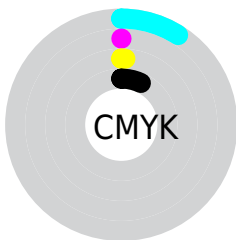
Distribution



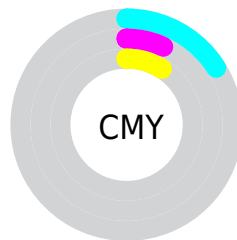
- Red (84%)
- Green (93%)
- Blue (91%)



- Red (84%)
- Yellow (89%)
- Blue (93%)



- Cyan (9%)
- Magenta (0%)
- Yellow (1%)
- Black (7%)



- Cyan (16%)
- Magenta (7%)
- Yellow (9%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 80.1702, 0.3001, 0.3322 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 80.1702, 0.3001, 0.3322 by changing the saturation by 10% instead.

80.1702, 0.3001,
0.3322

80.1702, 0.3001,
0.3322

495.5062, 0.3058,
0.3308

59.8584, 0.2988,
0.3325

133.6050, 0.3021,
0.3317

43.3045, 0.2972,
0.3329

167.4968, 0.3028,
0.3315

30.1241, 0.2953,
0.3334

206.6841, 0.3035,
0.3314

19.9328, 0.2927,
0.3340

251.5512, 0.3041,
0.3312

12.3462, 0.2893,
0.3348

302.4826, 0.3046,
0.3311

6.9799, 0.2844,
0.3360

359.8626, 0.3051,

3.4496, 0.2770,

0.3310

424.0757, 0.3055,
0.3309

0.3377

■ 1.3707, 0.2644,
0.3406

■ 0.1950, 0.0000,
0.4074

■ 80.1702, 0.3001,
0.3322

■ 80.1702, 0.3001,
0.3322

■ 76.6932, 0.2872,
0.3360

■ 84.1718, 0.3136,
0.3288

■ 73.7087, 0.2753,
0.3400


■ 87.5215, 0.3233,
0.3257


■ 71.1964, 0.2646,
0.3443

■ 87.7154, 0.3213,
0.3225


■ 69.1307, 0.2554,
0.3489


■ 87.9127, 0.3192,
0.3194


 67.4835, 0.2479,
0.3536


 88.1136, 0.3172,
0.3162


 66.2237, 0.2424,
0.3585

 88.3179, 0.3152,
0.3132

 65.3158, 0.2388,
0.3634

 88.4815, 0.3136,
0.3107

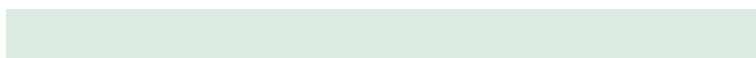
 64.7173, 0.2371,
0.3682

 64.3618, 0.2370,
0.3730

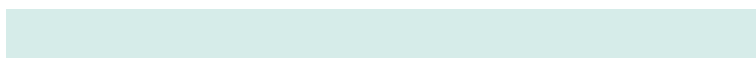
Harmonies

Analogous

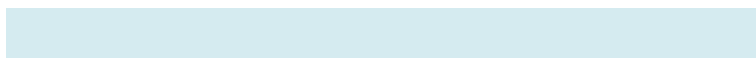
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



80.1702, 0.3080, 0.3398



80.1702, 0.3001, 0.3322



80.1702, 0.2956, 0.3239

Triad

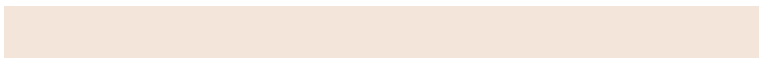
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



80.1702, 0.3001, 0.3322



80.1702, 0.3080, 0.3142



80.1702, 0.3302, 0.3407

Complementary

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



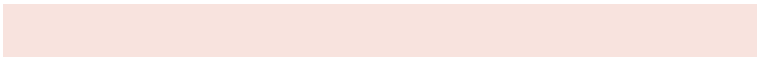
80.1702, 0.3001, 0.3322



70.9161, 0.3269, 0.3258

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.



80.1702, 0.3302, 0.3338



80.1702, 0.3001, 0.3322



80.1702, 0.3173, 0.3186

Square

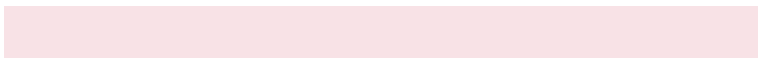
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



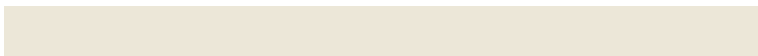
80.1702, 0.3001, 0.3322



80.1702, 0.3001, 0.3136



80.1702, 0.3254, 0.3257



80.1702, 0.3254, 0.3446

Rectangle

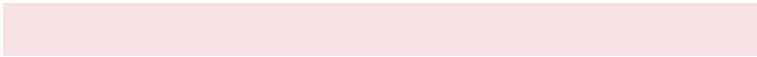
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



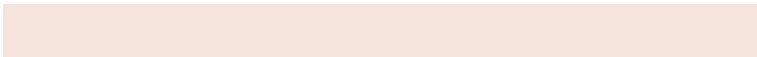
80.1702, 0.3001, 0.3322



80.1702, 0.2950, 0.3190



80.1702, 0.3254, 0.3257



80.1702, 0.3307, 0.3386

Sweetspot

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



80.1736, 0.3001, 0.3322



98.5103, 0.3086, 0.3300



79.6468, 0.3138, 0.3529



21.0021, 0.3075, 0.3303



0.0000, 0.0000, 0.0000



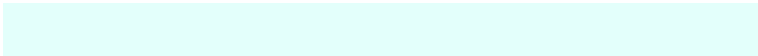
21.4041, 0.3127, 0.3290

Same Dimension

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



80.1736, 0.3001, 0.3322



94.8170, 0.2979, 0.3328



75.9970, 0.2983, 0.3207



17.0842, 0.2999, 0.3322



35.4744, 0.2368, 0.3726



2.7954, 0.2350, 0.3659

Inverse Universe

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



70.9161, 0.3269, 0.3258



81.9293, 0.3298, 0.3252



74.7605, 0.3282, 0.3372



15.0877, 0.3271, 0.3258



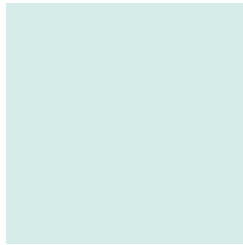
9.8994, 0.6217, 0.3198



0.7880, 0.5896, 0.3022

Previews

White Background



This preview shows how the Yxy color 80.1702, 0.3001, 0.3322 looks on a white background.

Color Contrast Check

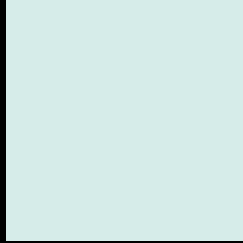
Large Text (above 18pt) WCAG AA × Fail

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 80.1702, 0.3001, 0.3322 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

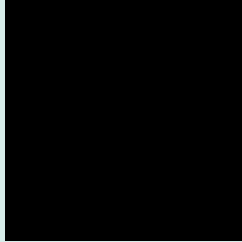
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

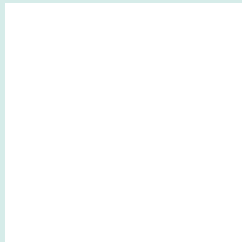
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 80.1702, 0.3001, 0.3322

Background



This preview shows how black text looks on a background with the Yxy color 80.1702, 0.3001, 0.3322.

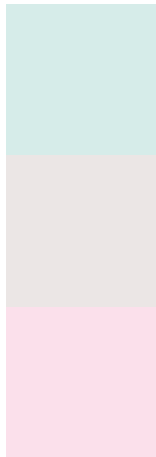


This preview shows how white text looks on a background with the Yxy color 80.1702, 0.3001, 0.3322.

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

80.1702, 0.3001, 0.3322

Protanopia

79.9129, 0.3168, 0.3300

Deuteranopia

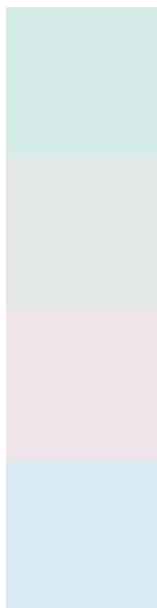
79.8187, 0.3245, 0.3180



Tritanopia

80.0578, 0.2909, 0.3092

Trichromacy



Original Color

80.1702, 0.3001, 0.3322

Protanomaly

79.7573, 0.3106, 0.3311

Deuteranomaly

79.6045, 0.3158, 0.3229

Tritanomaly

80.0371, 0.2943, 0.3174

Monochromacy



Original Color

80.1702, 0.3001, 0.3322

Achromatopsia

78.3538, 0.3127, 0.3290

Achromatomaly

79.2737, 0.3086, 0.3311

CSS Examples

Text

The CSS property to change the color of the text to Yxy 80.1702, 0.3001, 0.3322 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(214, 236, 233)` looks like.

```
.text, #text, p{  
    color:rgb(214, 236, 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(214, 236, 233) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(214, 236, 233) }
```

Border

The CSS property to change the border of an element to Yxy 80.1702, 0.3001, 0.3322 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(214, 236, 233) }
```

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

```
.border{ border-color:rgb(214, 236, 233) }
```

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

Here you see how a box with a 4 pixel `rgb(214, 236, 233)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(214, 236, 233); -webkit-box-  
shadow:4px 4px 4px 4px rgb(214, 236, 233);  
box-shadow:4px 4px 4px 4px rgb(214, 236,  
233) }
```


Background

The CSS property to change the background color of an element to Yxy 80.1702, 0.3001, 0.3322 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(214, 236, 233) }
```

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

```
.background{ background-color: rgb(214,  
236, 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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