

Converting Colors

$Yxy(80.8701, 0.3032, 0.3301)$

Have a look what the booklet for
Yxy(80.8701, 0.3032, 0.3301)
contains.

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Color

Yxy(80.5728, 0.3034, 0.3300)

Conversions

Conversions Part 1

Format	Color
Hex	DCEBEA
RGB	220, 235, 234
RGB Percent	86%, 92%, 92%
CMY	0.1372, 0.0784, 0.0822
CMYK	0.06, 0.00, 0.00, 0.08
HSL	176°, 27%, 89%
HSV	176°, 6%, 92%
XYZ	74.0781, 80.5728, 89.5091
YIQ	230.4010, -8.6190, -3.4910

Conversions

Conversions Part 2

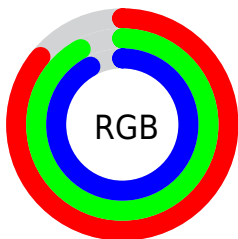
Format	Color
R _Y B	220, 228, 235
Decimal	14478314
CIE Lab	91.94, -5.13, -1.25
CIE LCh	92, 5.277, 193.697
Yxy	80.5728, 0.3034, 0.3300
Android (android.graphics.Color)	4292668394 (0xFFDCEBEA)
YUV	230.4010, 1.7743, -9.1217
Hunter-Lab	89.7624, -9.7735, 3.7110

Details

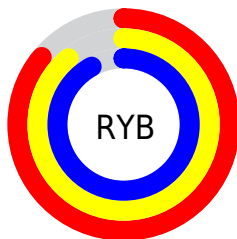
The Yxy color **80.5728, 0.3034, 0.3300** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **74.0701, 0.3228, 0.3280**, and the grayscale version is **79.4378, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **43.4539, 0.3016, 0.3303** is the 20% darker color. If you saturate the color by 10%, you get **77.0760, 0.2894, 0.3317**, and if you desaturate by 10%, it is **84.5926, 0.3181, 0.3285**.

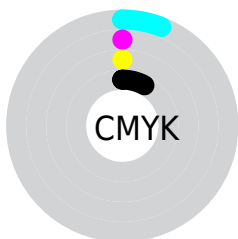
Distribution



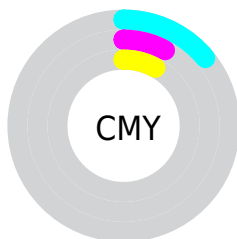
- Red (86%)
- Green (92%)
- Blue (92%)



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



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



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

Brightness & Saturation Gradients

These gradients show how the Yxy color 80.5728, 0.3034, 0.3300 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 80.5728, 0.3034, 0.3300 by changing the saturation by 10% instead.

80.5728, 0.3034,
0.3300

80.5728, 0.3034,
0.3300

496.8611, 0.3076,
0.3296

60.1898, 0.3025,
0.3301

134.1708, 0.3049,
0.3299

43.5717, 0.3013,
0.3302

168.1545, 0.3054,
0.3298

30.3339, 0.2998,
0.3303

207.4407, 0.3059,
0.3297

20.0922, 0.2979,
0.3305

252.4136, 0.3063,
0.3297

12.4621, 0.2954,
0.3308

303.4578, 0.3067,
0.3297

7.0592, 0.2918,
0.3311

360.9574, 0.3071,

3.4991, 0.2864,

0.3296

0.3315

425.2971, 0.3074,
0.3296

■ 1.3975, 0.2771,
0.3322

■ 0.2149, 0.1286,
0.3492

■ 80.5728, 0.3034,
0.3300

■ 80.5728, 0.3034,
0.3300

■ 77.0760, 0.2894,
0.3317

■ 84.5926, 0.3181,
0.3285

■ 74.0705, 0.2763,
0.3335

■ 86.7972, 0.3249,
0.3270


■ 71.5369, 0.2645,
0.3355

■ 86.8869, 0.3239,
0.3255

■ 69.4506, 0.2542,
0.3376

■ 86.9774, 0.3230,
0.3240

 67.7846, 0.2457,
0.3397


 87.0686, 0.3220,
0.3225


 66.5091, 0.2391,
0.3419

 87.1606, 0.3210,
0.3210

 65.5902, 0.2344,
0.3441

 87.2534, 0.3201,
0.3196

 64.9887, 0.2316,
0.3463

 87.3469, 0.3191,
0.3181

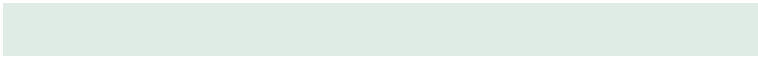
 64.6550, 0.2305,
0.3484

 87.4412, 0.3181,
0.3166

Harmonies

Analogous

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



80.5728, 0.3084, 0.3353



80.5728, 0.3034, 0.3300



80.5728, 0.3009, 0.3245

Triad

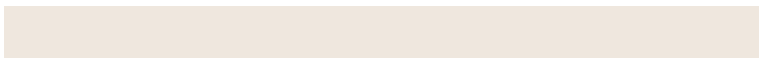
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



80.5728, 0.3034, 0.3300



80.5728, 0.3108, 0.3195



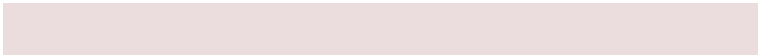
80.5728, 0.3240, 0.3376

Complementary

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



80.5728, 0.3034, 0.3300



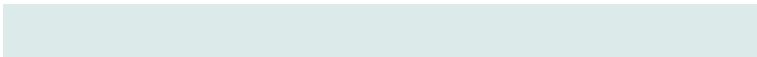
74.0701, 0.3228, 0.3280

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.



80.5728, 0.3247, 0.3333



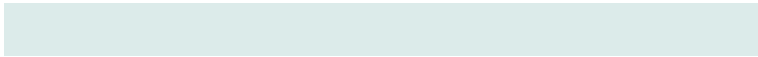
80.5728, 0.3034, 0.3300



80.5728, 0.3170, 0.3229

Square

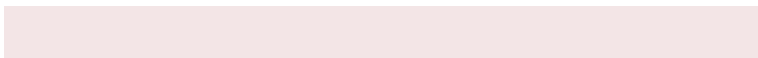
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



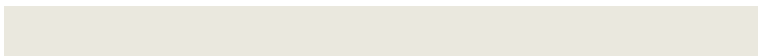
80.5728, 0.3034, 0.3300



80.5728, 0.3052, 0.3185



80.5728, 0.3221, 0.3279



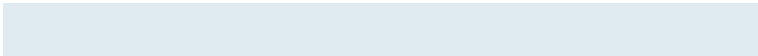
80.5728, 0.3202, 0.3397

Rectangle

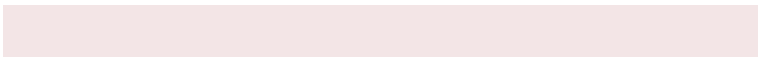
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



80.5728, 0.3034, 0.3300



80.5728, 0.3010, 0.3215



80.5728, 0.3221, 0.3279



80.5728, 0.3246, 0.3364

Sweetspot

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



80.5762, 0.3034, 0.3300



99.0242, 0.3098, 0.3293



79.9581, 0.3126, 0.3450



21.2055, 0.3099, 0.3293



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

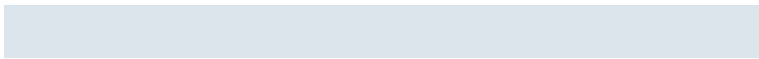
The Same Dimension uses a secret algorithm to generate beautiful new colors.



80.5762, 0.3034, 0.3300



96.2490, 0.3010, 0.3303



76.9783, 0.3029, 0.3221



17.1040, 0.2990, 0.3305



35.9433, 0.2302, 0.3489



2.8275, 0.2294, 0.3459

Inverse Universe

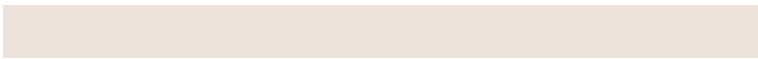
The Inverse Universe completely reimagines the original color for something new.



74.0701, 0.3228, 0.3280



86.4997, 0.3257, 0.3277



77.4967, 0.3229, 0.3358



15.0699, 0.3283, 0.3275



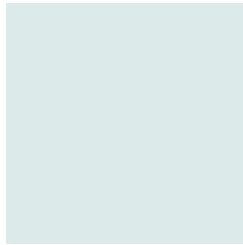
9.8558, 0.6331, 0.3261



0.7795, 0.6148, 0.3161

Previews

White Background



This preview shows how the Yxy color 80.5728, 0.3034, 0.3300 looks on a white background.

Color Contrast Check

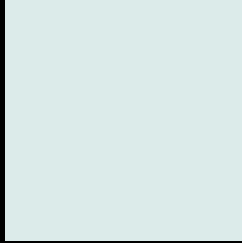
Large Text (above 18pt) WCAG AA × Fail

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 80.5728, 0.3034, 0.3300 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

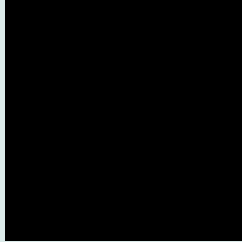
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

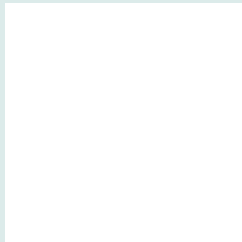
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 80.5728, 0.3034, 0.3300

Background



This preview shows how black text looks on a background with the Yxy color 80.5728, 0.3034, 0.3300.

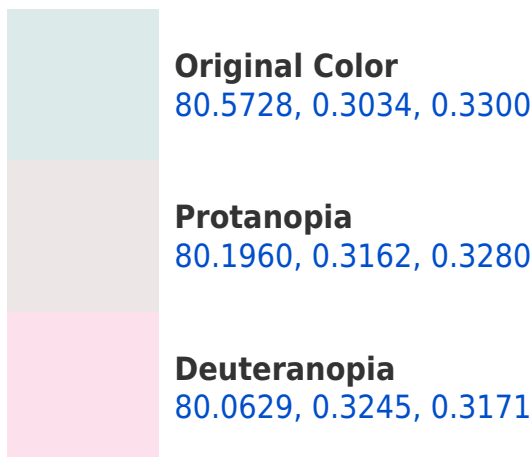


This preview shows how white text looks on a background with the Yxy color 80.5728, 0.3034, 0.3300.

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

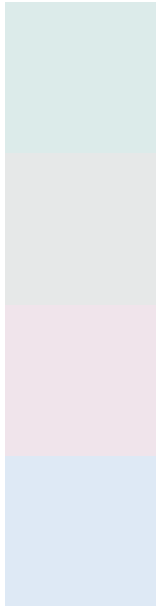




Tritanopia

80.3662, 0.2952, 0.3093

Trichromacy



Original Color

80.5728, 0.3034, 0.3300

Protanomaly

80.3624, 0.3114, 0.3290

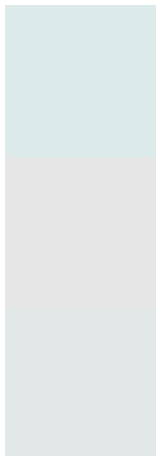
Deuteranomaly

80.0102, 0.3165, 0.3219

Tritanomaly

80.4000, 0.2981, 0.3165

Monochromacy



Original Color

80.5728, 0.3034, 0.3300

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 80.5728, 0.3034, 0.3300 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, 234)` looks like.

```
.text, #text, p{  
    color:rgb(220, 235, 234)  
}
```

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, 234) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(220, 235, 234) }
```

Border

The CSS property to change the border of an element to Yxy 80.5728, 0.3034, 0.3300 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, 234) }
```

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

```
.border{ border-color:rgb(220, 235, 234) }
```

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, 234)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(220, 235, 234); -webkit-box-  
shadow:4px 4px 4px 4px rgb(220, 235, 234);  
box-shadow:4px 4px 4px 4px rgb(220, 235,  
234) }
```


Background

The CSS property to change the background color of an element to Yxy 80.5728, 0.3034, 0.3300 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, 234) }
```

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

```
.background{ background-color: rgb(220,  
235, 234) }
```

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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