

Converting Colors

$Y_{xy}(78.3549, 0.3035, 0.3303)$

Have a look what the booklet for
Yxy(78.3549, 0.3035, 0.3303)
contains.

Yxy(78.2345, 0.3033, 0.3300)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(78.2345, 0.3033, 0.3300)

Conversions

Conversions Part 1

Format	Color
Hex	D9E8E7
RGB	217, 232, 231
RGB Percent	85%, 91%, 91%
CMY	0.1489, 0.0902, 0.0940
CMYK	0.06, 0.00, 0.00, 0.09
HSL	176°, 25%, 88%
HSV	176°, 6%, 91%
XYZ	71.9046, 78.2345, 86.9351
YIQ	227.4010, -8.6190, -3.4910

Conversions

Conversions Part 2

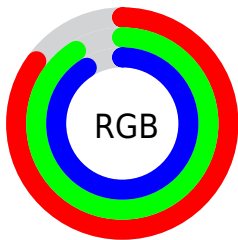
Format	Color
R_{YB}	217, 225, 232
Decimal	14280935
CIE _{Lab}	90.89, -5.13, -1.25
CIE _{LCh}	91, 5.278, 193.746
Yxy	78.2345, 0.3033, 0.3300
Android (android.graphics.Color)	4292471015 (0xFFD9E8E7)
YUV	227.4010, 1.7743, -9.1217
Hunter-Lab	88.4503, -9.6785, 3.6408

Details

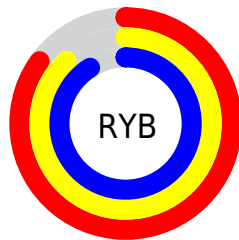
The Yxy color **78.2345, 0.3033, 0.3300** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **71.8558, 0.3230, 0.3280**, and the grayscale version is **77.1205, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **41.8272, 0.3014, 0.3304** is the 20% darker color. If you saturate the color by 10%, you get **74.8445, 0.2893, 0.3317**, and if you desaturate by 10%, it is **82.1316, 0.3180, 0.3285**.

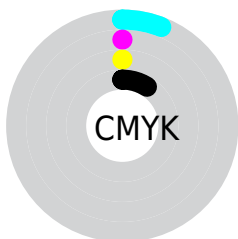
Distribution



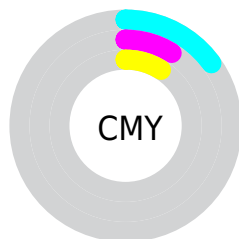
- Red (85%)
- Green (91%)
- Blue (91%)



- Red (85%)
- Yellow (88%)
- Blue (91%)



- Cyan (6%)
- Magenta (0%)
- Yellow (0%)
- Black (9%)



- Cyan (15%)
- Magenta (9%)
- Yellow (9%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 78.2345, 0.3033, 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 78.2345, 0.3033, 0.3300 by changing the saturation by 10% instead.

■ 78.2345, 0.3033,
0.3300

■ 78.2345, 0.3033,
0.3300

488.9628, 0.3076,
0.3296

■ 58.2666, 0.3023,
0.3301

130.8806, 0.3048,
0.3299

■ 42.0230, 0.3011,
0.3302

164.3277, 0.3054,
0.3298

■ 29.1193, 0.2996,
0.3304

203.0366, 0.3059,
0.3297

■ 19.1711, 0.2977,
0.3305

247.3918, 0.3063,
0.3297

■ 11.7940, 0.2951,
0.3308

297.7776, 0.3067,
0.3297

■ 6.6036, 0.2914,
0.3311

354.5785, 0.3070,

■ 3.2154, 0.2856,

0.3296

0.3316

418.1787, 0.3073,
0.3296

■ 1.2452, 0.2757,
0.3323

■ 0.0982, 0.0000,
0.3353

■ 78.2345, 0.3033,
0.3300

■ 78.2345, 0.3033,
0.3300

■ 74.8445, 0.2893,
0.3317

■ 82.1316, 0.3180,
0.3285

■ 71.9309, 0.2762,
0.3335

■ 84.9122, 0.3272,
0.3271


■ 69.4749, 0.2644,
0.3354

■ 84.9984, 0.3262,
0.3256


■ 67.4524, 0.2542,
0.3375


■ 85.0853, 0.3252,
0.3241

 65.8375, 0.2456,
0.3396


 85.1729, 0.3243,
0.3227

 64.6012, 0.2390,
0.3418


 85.2613, 0.3233,
0.3212

 63.7108, 0.2343,
0.3439

 85.3503, 0.3223,
0.3197

 63.1280, 0.2315,
0.3461

 85.4401, 0.3214,
0.3183

 62.8048, 0.2304,
0.3482

 85.5307, 0.3204,
0.3169

Harmonies

Analogous

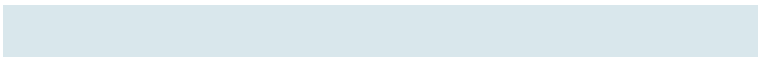
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



78.2345, 0.3083, 0.3353



78.2345, 0.3033, 0.3300



78.2345, 0.3008, 0.3245

Triad

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



78.2345, 0.3033, 0.3300



78.2345, 0.3108, 0.3194



78.2345, 0.3241, 0.3377

Complementary

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



78.2345, 0.3033, 0.3300



71.8558, 0.3230, 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.



78.2345, 0.3248, 0.3334



78.2345, 0.3033, 0.3300



78.2345, 0.3171, 0.3229

Square

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



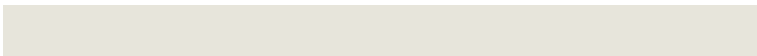
78.2345, 0.3033, 0.3300



78.2345, 0.3051, 0.3184



78.2345, 0.3222, 0.3279



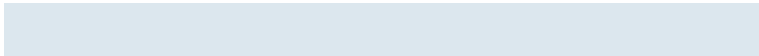
78.2345, 0.3203, 0.3398

Rectangle

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



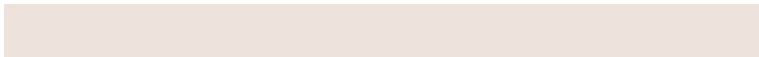
78.2345, 0.3033, 0.3300



78.2345, 0.3009, 0.3214



78.2345, 0.3222, 0.3279



78.2345, 0.3247, 0.3365

Sweetspot

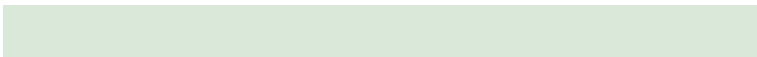
The Sweet Spot groups the original color and five complimentary colors.



78.2378, 0.3033, 0.3300



99.0244, 0.3098, 0.3293



77.6310, 0.3126, 0.3452



21.2055, 0.3099, 0.3293



0.0000, 0.0000, 0.0000



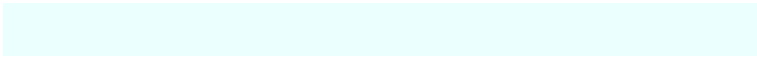
21.4041, 0.3127, 0.3290

Same Dimension

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



78.2378, 0.3033, 0.3300



96.2499, 0.3010, 0.3303



74.7077, 0.3028, 0.3220



16.3196, 0.2990, 0.3305



34.8307, 0.2302, 0.3486



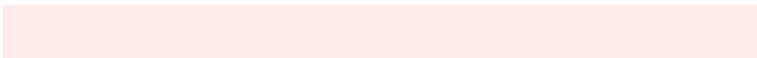
2.5787, 0.2293, 0.3455

Inverse Universe

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



71.8558, 0.3230, 0.3280



86.4989, 0.3257, 0.3278



75.2161, 0.3230, 0.3359



14.3830, 0.3282, 0.3275



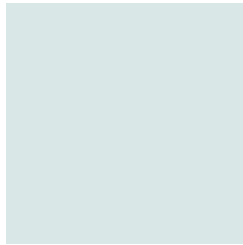
9.5495, 0.6330, 0.3261



0.7110, 0.6140, 0.3156

Previews

White Background



This preview shows how the Yxy color 78.2345, 0.3033, 0.3300 looks on a white background.

Color Contrast Check

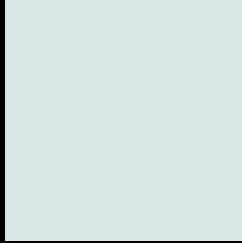
Large Text (above 18pt) WCAG AA × Fail

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 78.2345, 0.3033, 0.3300 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

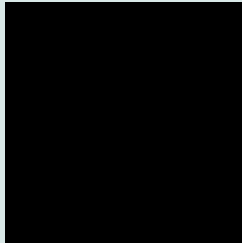
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

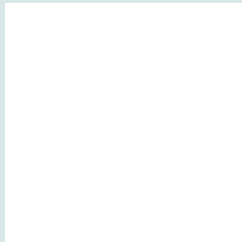
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 78.2345, 0.3033, 0.3300

Background



This preview shows how black text looks on a background with the Yxy color 78.2345, 0.3033, 0.3300.

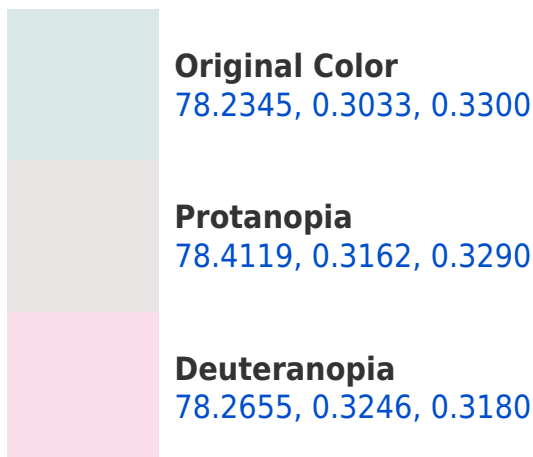


This preview shows how white text looks on a background with the Yxy color 78.2345, 0.3033, 0.3300.

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

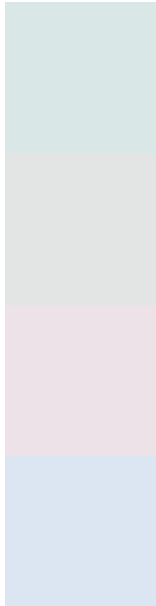




Tritanopia

78.0316, 0.2950, 0.3091

Trichromacy



Original Color

78.2345, 0.3033, 0.3300

Protanomaly

78.0267, 0.3113, 0.3290

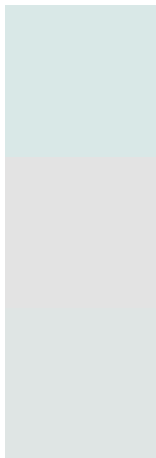
Deuteranomaly

78.2234, 0.3165, 0.3228

Tritanomaly

78.0645, 0.2980, 0.3163

Monochromacy



Original Color

78.2345, 0.3033, 0.3300

Achromatopsia

76.8151, 0.3127, 0.3290

Achromatomaly

77.3280, 0.3093, 0.3301

CSS Examples

Text

The CSS property to change the color of the text to Yxy 78.2345, 0.3033, 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(217, 232, 231)` looks like.

```
.text, #text, p{  
    color:rgb(217, 232, 231)  
}
```

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(217, 232, 231) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(217, 232, 231) }
```

Border

The CSS property to change the border of an element to Yxy 78.2345, 0.3033, 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(217, 232, 231) }
```

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

```
.border{ border-color:rgb(217, 232, 231) }
```

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

Here you see how a box with a 4 pixel `rgb(217, 232, 231)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(217, 232, 231); -webkit-box-  
shadow:4px 4px 4px 4px rgb(217, 232, 231);  
box-shadow:4px 4px 4px 4px rgb(217, 232,  
231) }
```


Background

The CSS property to change the background color of an element to Yxy 78.2345, 0.3033, 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(217, 232, 231) }
```

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

```
.background{ background-color: rgb(217,  
232, 231) }
```

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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