

Converting Colors

$Yxy(78.2372, 0.3066, 0.3300)$

Have a look what the booklet for
Yxy(78.2372, 0.3066, 0.3300)
contains.

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Color

Yxy(78.2372, 0.3066, 0.3300)

Conversions

Conversions Part 1

Format	Color
Hex	DDE7E6
RGB	221, 231, 230
RGB Percent	87%, 91%, 90%
CMY	0.1332, 0.0941, 0.0979
CMYK	0.04, 0.00, 0.00, 0.09
HSL	174°, 17%, 89%
HSV	174°, 4%, 91%
XYZ	72.6895, 78.2372, 86.1558
YIQ	227.8960, -5.6390, -2.4310

Conversions

Conversions Part 2

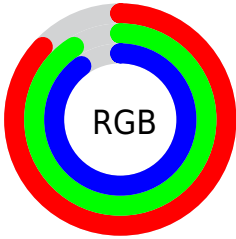
Format	Color
R _Y B	221, 226, 231
Decimal	14542822
CIE Lab	90.89, -3.48, -0.70
CIE LCh	91, 3.550, 191.307
Yxy	78.2372, 0.3066, 0.3300
Android (android.graphics.Color)	4292732902 (0xFFDDE7E6)
YUV	227.8960, 1.0373, -6.0478
Hunter-Lab	88.4518, -8.0998, 4.1653

Details

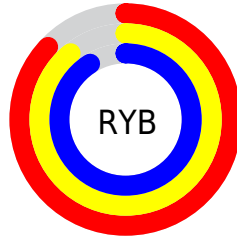
The Yxy color $78.2372, 0.3066, 0.3300$ is a light color, and the websafe version is hex `CCCCCC`. A complement of this color would be $73.9947, 0.3192, 0.3280$, and the grayscale version is $77.5056, 0.3127, 0.3290$.

A 20% lighter version of the original color is $100.0000, 0.3127, 0.3290$, and $41.8621, 0.3049, 0.3290$ is the 20% darker color. If you saturate the color by 10%, you get $74.7355, 0.2928, 0.3325$, and if you desaturate by 10%, it is $82.2460, 0.3209, 0.3277$.

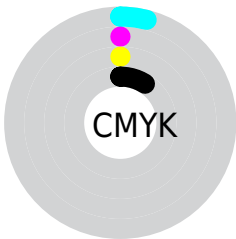
Distribution



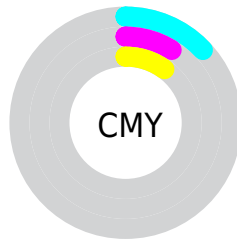
- Red (87%)
- Green (91%)
- Blue (90%)



- Red (87%)
- Yellow (89%)
- Blue (91%)



- Cyan (4%)
- Magenta (0%)
- Yellow (0%)
- Black (9%)



- Cyan (13%)
- Magenta (9%)
- Yellow (10%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 78.2372, 0.3066, 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 78.2372, 0.3066, 0.3300 by changing the saturation by 10% instead.

■ 78.2372, 0.3066,
0.3300

■ 78.2372, 0.3066,
0.3300

488.9720, 0.3094,
0.3296

■ 58.2689, 0.3060,
0.3301

130.8844, 0.3076,
0.3298

■ 42.0248, 0.3052,
0.3302

164.3321, 0.3079,
0.3298

■ 29.1207, 0.3042,
0.3304

203.0417, 0.3083,
0.3297

■ 19.1722, 0.3029,
0.3306

247.3976, 0.3085,
0.3297

■ 11.7948, 0.3012,
0.3308

297.7842, 0.3088,
0.3297

■ 6.6041, 0.2988,
0.3312

354.5858, 0.3090,

■ 3.2158, 0.2951,

0.3296

0.3317

418.1870, 0.3092,
0.3296

■ 1.2454, 0.2886,
0.3327

■ 0.0983, 0.0323,
0.3745

■ 78.2372, 0.3066,
0.3300

■ 78.2372, 0.3066,
0.3300

■ 74.7355, 0.2928,
0.3325

■ 82.2460, 0.3209,
0.3277

■ 71.7107, 0.2799,
0.3352

■ 84.3758, 0.3270,
0.3256


■ 69.1445, 0.2682,
0.3381

■ 84.5050, 0.3255,
0.3234

■ 67.0136, 0.2578,
0.3412


■ 84.6357, 0.3241,
0.3212

 65.2927, 0.2491,
0.3444

 84.7681, 0.3226,
0.3191


 63.9538, 0.2423,
0.3477

 84.9022, 0.3212,
0.3169


 62.9655, 0.2374,
0.3510

 85.0378, 0.3198,
0.3148

 62.2913, 0.2345,
0.3543

 85.1751, 0.3183,
0.3126

 61.8867, 0.2333,
0.3576

 85.3141, 0.3169,
0.3105

Harmonies

Analogous

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



78.2372, 0.3101, 0.3335



78.2372, 0.3066, 0.3300



78.2372, 0.3048, 0.3263

Triad

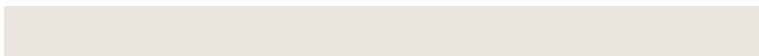
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



78.2372, 0.3066, 0.3300



78.2372, 0.3111, 0.3224



78.2372, 0.3205, 0.3347

Complementary

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



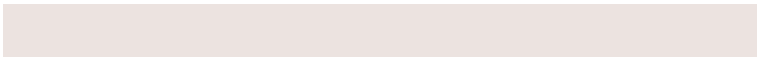
78.2372, 0.3066, 0.3300



73.9947, 0.3192, 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.



78.2372, 0.3208, 0.3317



78.2372, 0.3066, 0.3300



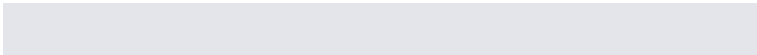
78.2372, 0.3153, 0.3246

Square

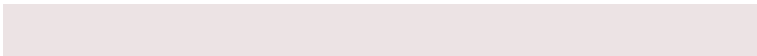
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



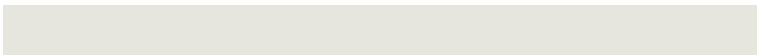
78.2372, 0.3066, 0.3300



78.2372, 0.3074, 0.3219



78.2372, 0.3189, 0.3280



78.2372, 0.3181, 0.3362

Rectangle

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



78.2372, 0.3066, 0.3300



78.2372, 0.3047, 0.3242



78.2372, 0.3189, 0.3280



78.2372, 0.3208, 0.3338

Sweetspot

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



78.2405, 0.3066, 0.3300



99.5037, 0.3113, 0.3292



77.9048, 0.3129, 0.3397



21.3031, 0.3114, 0.3292



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

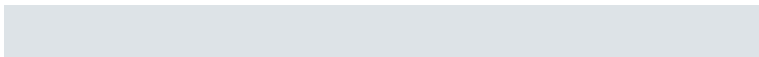
The Same Dimension uses a secret algorithm to generate beautiful new colors.



78.2405, 0.3066, 0.3300



97.5826, 0.3056, 0.3302



76.0913, 0.3061, 0.3247



16.6011, 0.3047, 0.3303



34.6237, 0.2331, 0.3590



2.5656, 0.2317, 0.3541

Inverse Universe

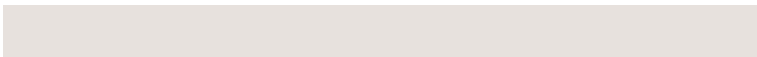
The Inverse Universe completely reimagines the original color for something new.



73.9947, 0.3192, 0.3280



91.4132, 0.3203, 0.3278



76.0713, 0.3195, 0.3332



15.4186, 0.3214, 0.3277



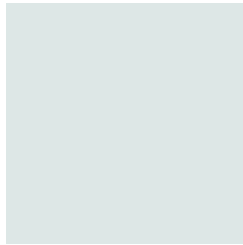
9.5654, 0.6287, 0.3237



0.7146, 0.6020, 0.3090

Previews

White Background



This preview shows how the Yxy color 78.2372, 0.3066, 0.3300 looks on a white background.

Color Contrast Check

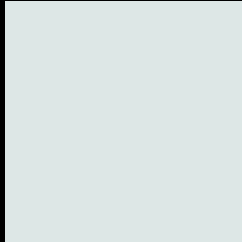
Large Text (above 18pt) WCAG AA × Fail

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 78.2372, 0.3066, 0.3300 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

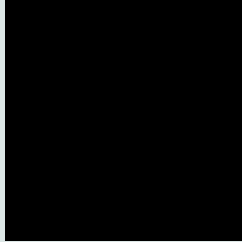
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

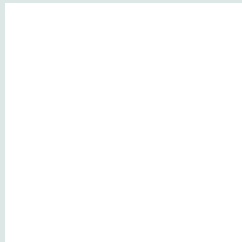
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 78.2372, 0.3066, 0.3300

Background



This preview shows how black text looks on a background with the Yxy color 78.2372, 0.3066, 0.3300.

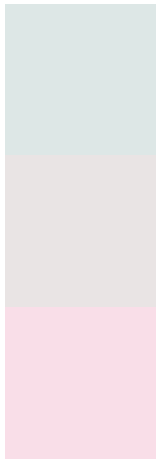


This preview shows how white text looks on a background with the Yxy color 78.2372, 0.3066, 0.3300.

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



Original Color

78.2372, 0.3066, 0.3300

Protanopia

78.4119, 0.3162, 0.3290

Deuteranopia

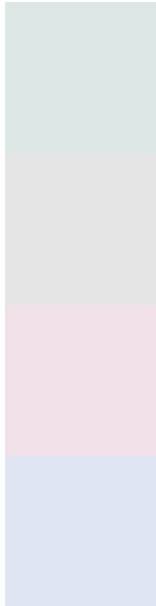
78.2085, 0.3253, 0.3190



Tritanopia

78.0495, 0.2982, 0.3092

Trichromacy



Original Color

78.2372, 0.3066, 0.3300

Protanomaly

78.3538, 0.3127, 0.3290

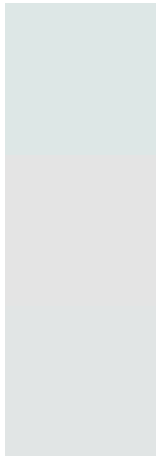
Deuteranomaly

77.9707, 0.3186, 0.3228

Tritanomaly

78.0775, 0.3012, 0.3164

Monochromacy



Original Color

78.2372, 0.3066, 0.3300

Achromatopsia

77.5822, 0.3127, 0.3290

Achromatomaly

77.7033, 0.3100, 0.3290

CSS Examples

Text

The CSS property to change the color of the text to Yxy 78.2372, 0.3066, 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(221, 231, 230)` looks like.

```
.text, #text, p{  
    color:rgb(221, 231, 230)  
}
```

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, 231, 230) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(221, 231, 230) }
```

Border

The CSS property to change the border of an element to Yxy 78.2372, 0.3066, 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(221, 231, 230) }
```

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

```
.border{ border-color:rgb(221, 231, 230) }
```

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

Here you see how a box with a 4 pixel `rgb(221, 231, 230)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(221, 231, 230); -webkit-box-  
shadow:4px 4px 4px 4px rgb(221, 231, 230);  
box-shadow:4px 4px 4px 4px rgb(221, 231,  
230) }
```


Background

The CSS property to change the background color of an element to $\text{Yxy } 78.2372, 0.3066, 0.3300$ is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(221, 231, 230) }
```

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

```
.background{ background-color: rgb(221,  
231, 230) }
```

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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