

Converting Colors

$Yxy(78.3299, 0.3036, 0.3363)$

Have a look what the booklet for
Yxy(78.3299, 0.3036, 0.3363)
contains.

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Color

Yxy(78.6878, 0.3037, 0.3365)

Conversions

Conversions Part 1

Format	Color
Hex	D6EAE3
RGB	214, 234, 227
RGB Percent	84%, 92%, 89%
CMY	0.1609, 0.0823, 0.1097
CMYK	0.09, 0.00, 0.03, 0.08
HSL	159°, 32%, 88%
HSV	159°, 9%, 92%
XYZ	71.0178, 78.6878, 84.1363
YIQ	227.2220, -9.6730, -6.4170

Conversions

Conversions Part 2

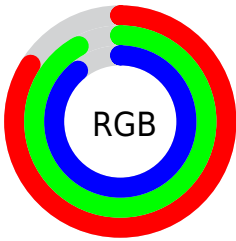
Format	Color
R _Y B	214, 226, 234
Decimal	14084835
CIE Lab	91.09, -7.90, 1.11
CIE LCh	91, 7.974, 171.970
Yxy	78.6878, 0.3037, 0.3365
Android (android.graphics.Color)	4292274915 (0xFFD6EAE3)
YUV	227.2220, -0.1094, -11.5957
Hunter-Lab	88.7061, -12.3294, 5.8587

Details

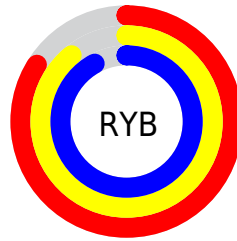
The Yxy color **78.6878, 0.3037, 0.3365** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **70.7959, 0.3227, 0.3216**, and the grayscale version is **76.9928, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **42.1903, 0.3012, 0.3374** is the 20% darker color. If you saturate the color by 10%, you get **74.9799, 0.2935, 0.3462**, and if you desaturate by 10%, it is **82.9295, 0.3142, 0.3278**.

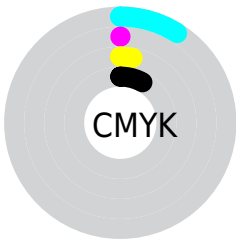
Distribution



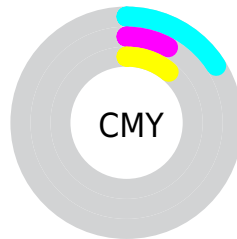
- Red (84%)
- Green (92%)
- Blue (89%)



- Red (84%)
- Yellow (89%)
- Blue (92%)



- Cyan (9%)
- Magenta (0%)
- Yellow (3%)
- Black (8%)





- Cyan (16%)
- Magenta (8%)
- Yellow (11%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 78.6878, 0.3037, 0.3365 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 78.6878, 0.3037, 0.3365 by changing the saturation by 10% instead.


 78.6878, 0.3037,
0.3365

 78.6878, 0.3037,
0.3365


490.4995, 0.3078,
0.3331

 58.6392, 0.3028,
0.3373


131.5193, 0.3051,
0.3353

 42.3227, 0.3016,
0.3382


165.0709, 0.3057,
0.3349

 29.3541, 0.3002,
0.3394


203.8922, 0.3062,
0.3345

 19.3488, 0.2983,
0.3410

248.3678, 0.3066,
0.3341

 11.9226, 0.2958,
0.3432

298.8819, 0.3069,
0.3338

 6.6910, 0.2921,
0.3462

355.8190, 0.3073,

 3.2696, 0.2865,

0.3335

0.3509

419.5634, 0.3076,
0.3333

■ 1.2741, 0.2768,
0.3593

■ 0.1210, 0.0000,
0.6920

■ 78.6878, 0.3037,
0.3365

■ 78.6878, 0.3037,
0.3365

■ 74.9799, 0.2935,
0.3462

■ 82.9295, 0.3142,
0.3278

■ 71.7740, 0.2839,
0.3568

■ 86.6021, 0.3210,
0.3199

■ 69.0502, 0.2753,
0.3683

■ 87.1069, 0.3158,
0.3121

■ 66.7833, 0.2679,
0.3806

■ 87.3303, 0.3137,
0.3088

■ 64.9457, 0.2620,
0.3935

■ 63.5070, 0.2580,
0.4069

■ 62.4322, 0.2559,
0.4205

■ 61.6805, 0.2559,
0.4340

■ 61.1921, 0.2578,
0.4473

Harmonies

Analogous

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



78.6878, 0.3128, 0.3429



78.6878, 0.3037, 0.3365



78.6878, 0.2971, 0.3281

Triad

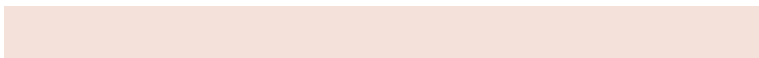
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



78.6878, 0.3037, 0.3365



78.6878, 0.3034, 0.3131



78.6878, 0.3312, 0.3375

Complementary

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



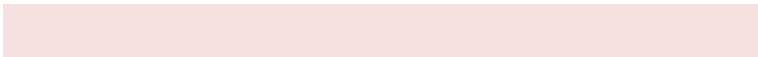
78.6878, 0.3037, 0.3365



70.7959, 0.3227, 0.3216

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.



78.6878, 0.3286, 0.3296



78.6878, 0.3037, 0.3365



78.6878, 0.3124, 0.3157

Square

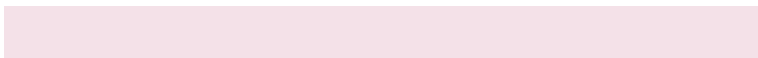
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



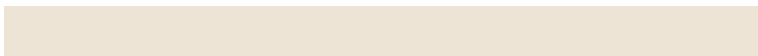
78.6878, 0.3037, 0.3365



78.6878, 0.2969, 0.3146



78.6878, 0.3217, 0.3217



78.6878, 0.3287, 0.3434

Rectangle

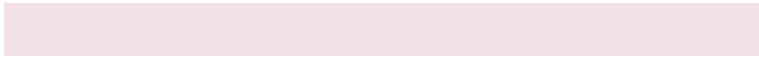
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



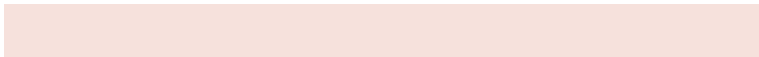
78.6878, 0.3037, 0.3365



78.6878, 0.2949, 0.3226



78.6878, 0.3217, 0.3217



78.6878, 0.3309, 0.3350

Sweetspot

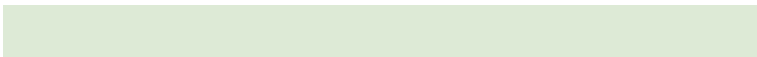
The Sweet Spot groups the original color and five complimentary colors.



78.6911, 0.3037, 0.3365



98.4073, 0.3095, 0.3316



79.0751, 0.3164, 0.3506



20.9743, 0.3087, 0.3323



0.0000, 0.0000, 0.0000



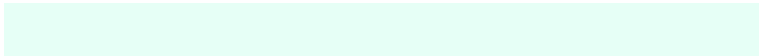
21.4041, 0.3127, 0.3290

Same Dimension

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



78.6911, 0.3037, 0.3365



94.9210, 0.3022, 0.3379



77.3884, 0.2995, 0.3257



17.0275, 0.3028, 0.3373



34.3745, 0.2575, 0.4471



2.7173, 0.2524, 0.4287

Inverse Universe

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



70.7959, 0.3227, 0.3216



83.7717, 0.3246, 0.3203



71.9660, 0.3272, 0.3322



15.1408, 0.3238, 0.3208



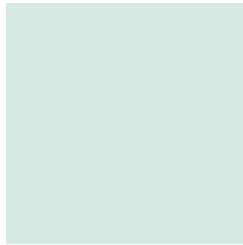
10.1900, 0.5579, 0.2847



0.8178, 0.5193, 0.2635

Previews

White Background



This preview shows how the Yxy color 78.6878, 0.3037, 0.3365 looks on a white background.

Color Contrast Check

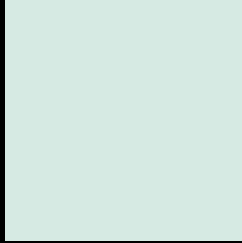
Large Text (above 18pt) WCAG AA × Fail

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 78.6878, 0.3037, 0.3365 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

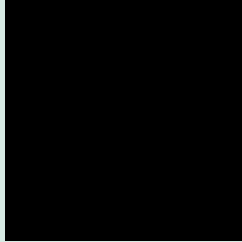
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

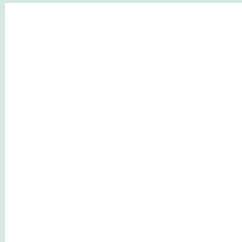
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 78.6878, 0.3037, 0.3365

Background



This preview shows how black text looks on a background with the Yxy color 78.6878, 0.3037, 0.3365.

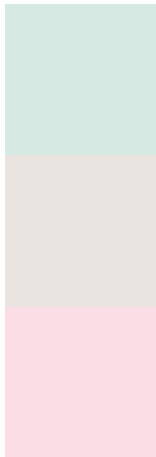


This preview shows how white text looks on a background with the Yxy color 78.6878, 0.3037, 0.3365.

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

78.6878, 0.3037, 0.3365

Protanopia

78.3610, 0.3195, 0.3332

Deuteranopia

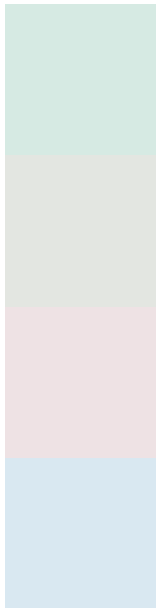
78.4089, 0.3287, 0.3220



Tritanopia

78.8968, 0.2932, 0.3101

Trichromacy



Original Color

78.6878, 0.3037, 0.3365

Protanomaly

78.3608, 0.3138, 0.3343

Deuteranomaly

78.1713, 0.3198, 0.3270

Tritanomaly

78.8158, 0.2973, 0.3194

Monochromacy



Original Color

78.6878, 0.3037, 0.3365

Achromatopsia

76.8151, 0.3127, 0.3290

Achromatomaly

77.6693, 0.3092, 0.3322

CSS Examples

Text

The CSS property to change the color of the text to Yxy 78.6878, 0.3037, 0.3365 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, 234, 227)` looks like.

```
.text, #text, p{  
    color:rgb(214, 234, 227)  
}
```

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, 234, 227) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(214, 234, 227) }
```

Border

The CSS property to change the border of an element to Yxy 78.6878, 0.3037, 0.3365 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, 234, 227) }
```

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

```
.border{ border-color:rgb(214, 234, 227) }
```

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

Here you see how a box with a 4 pixel `rgb(214, 234, 227)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(214, 234, 227); -webkit-box-  
shadow:4px 4px 4px 4px rgb(214, 234, 227);  
box-shadow:4px 4px 4px 4px rgb(214, 234,  
227) }
```


Background

The CSS property to change the background color of an element to Yxy 78.6878, 0.3037, 0.3365 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(214, 234, 227) }
```

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

```
.background{ background-color: rgb(214,  
234, 227) }
```

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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