

Converting Colors

$Yxy(86.7968, 0.3026, 0.3376)$

Have a look what the booklet for
Yxy(86.7968, 0.3026, 0.3376)
contains.

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Color

Yxy(86.7914, 0.3022, 0.3373)

Conversions

Conversions Part 1

Format	Color
Hex	DDF5ED
RGB	221, 245, 237
RGB Percent	87%, 96%, 93%
CMY	0.1332, 0.0392, 0.0707
CMYK	0.10, 0.00, 0.03, 0.04
HSL	160°, 55%, 91%
HSV	160°, 10%, 96%
XYZ	77.7597, 86.7914, 92.7610
YIQ	236.9120, -11.7360, -7.5760

Conversions

Conversions Part 2

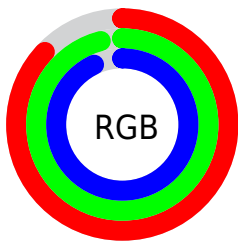
Format	Color
R _Y B	221, 235, 245
Decimal	14546413
CIE Lab	94.65, -9.30, 1.18
CIE LCh	95, 9.376, 172.781
Yxy	86.7914, 0.3022, 0.3373
Android (android.graphics.Color)	4292736493 (0xFFDDDF5ED)
YUV	236.9120, 0.0434, -13.9548
Hunter-Lab	93.1619, -14.0442, 6.1784

Details

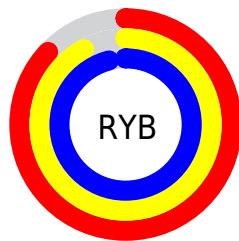
The Yxy color **86.7914, 0.3022, 0.3373** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **76.7968, 0.3245, 0.3209**, and the grayscale version is **84.6274, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **47.8384, 0.3001, 0.3397** is the 20% darker color. If you saturate the color by 10%, you get **82.7574, 0.2919, 0.3467**, and if you desaturate by 10%, it is **91.4158, 0.3129, 0.3288**.

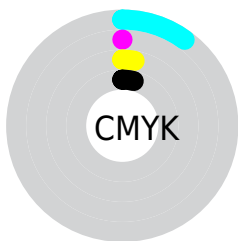
Distribution



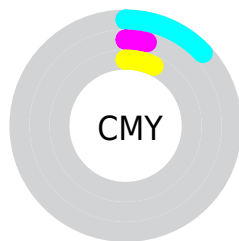
- Red (87%)
- Green (96%)
- Blue (93%)



- Red (87%)
- Yellow (92%)
- Blue (96%)



- Cyan (10%)
- Magenta (0%)
- Yellow (3%)
- Black (4%)




- Cyan (13%)
- Magenta (4%)
- Yellow (7%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 86.7914, 0.3022, 0.3373 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 86.7914, 0.3022, 0.3373 by changing the saturation by 10% instead.

 86.7914, 0.3022,
0.3373

 86.7914, 0.3022,
0.3373

517.5372, 0.3069,
0.3336

 65.3226, 0.3012,
0.3381


142.8734, 0.3038,
0.3360

 47.7227, 0.2999,
0.3391


178.2553, 0.3044,
0.3355

 33.6073, 0.2983,
0.3404


219.0437, 0.3050,
0.3351

 22.5921, 0.2962,
0.3420

265.6230, 0.3055,
0.3347

 14.2926, 0.2935,
0.3442

318.3777, 0.3059,
0.3344

 8.3245, 0.2897,
0.3473

377.6920, 0.3063,

 4.3033, 0.2840,

0.3341

0.3519

443.9503, 0.3066,
0.3338

■ 1.8446, 0.2745,
0.3596

■ 0.5147, 0.2089,
0.4101

■ 86.7914, 0.3022,
0.3373

■ 86.7914, 0.3022,
0.3373

■ 82.7574, 0.2919,
0.3467

■ 91.4158, 0.3129,
0.3288

■ 79.2782, 0.2822,
0.3570

■ 93.6813, 0.3141,
0.3210

■ 76.3314, 0.2735,
0.3681

■ 93.7860, 0.3132,
0.3194

■ 73.8885, 0.2662,
0.3800

■ 71.9183, 0.2604,
0.3925

■ 70.3862, 0.2565,
0.4053

■ 69.2525, 0.2546,
0.4184

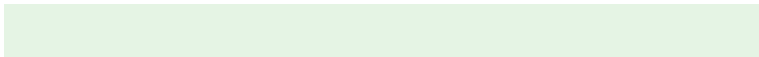
■ 68.4702, 0.2548,
0.4313

■ 67.9628, 0.2567,
0.4440

Harmonies

Analogous

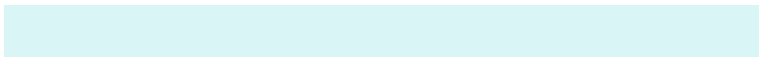
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



86.7914, 0.3125, 0.3447



86.7914, 0.3022, 0.3373



86.7914, 0.2948, 0.3277

Triad

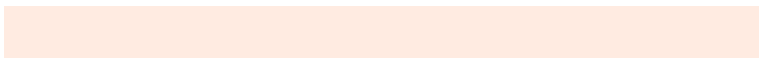
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



86.7914, 0.3022, 0.3373



86.7914, 0.3023, 0.3109



86.7914, 0.3337, 0.3389

Complementary

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



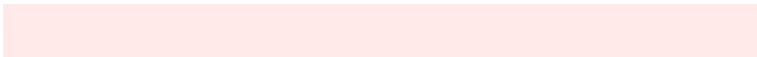
86.7914, 0.3022, 0.3373



76.7968, 0.3245, 0.3209

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.



86.7914, 0.3310, 0.3299



86.7914, 0.3022, 0.3373



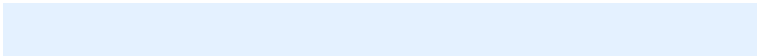
86.7914, 0.3127, 0.3140

Square

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



86.7914, 0.3022, 0.3373



86.7914, 0.2949, 0.3126



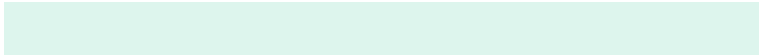
86.7914, 0.3232, 0.3209



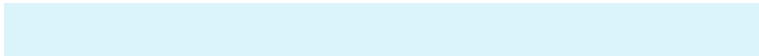
86.7914, 0.3308, 0.3455

Rectangle

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



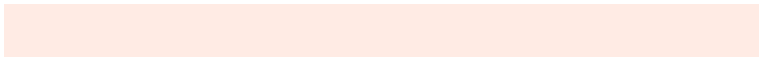
86.7914, 0.3022, 0.3373



86.7914, 0.2924, 0.3214



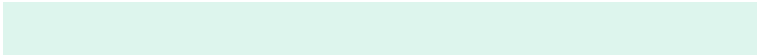
86.7914, 0.3232, 0.3209



86.7914, 0.3334, 0.3361

Sweetspot

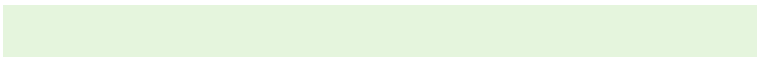
The Sweet Spot groups the original color and five complimentary colors.



86.7951, 0.3022, 0.3373



98.4142, 0.3095, 0.3315



87.2540, 0.3170, 0.3539



20.9761, 0.3086, 0.3321



0.0000, 0.0000, 0.0000



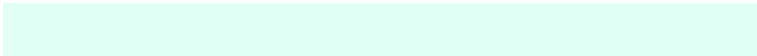
21.4041, 0.3127, 0.3290

Same Dimension

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



86.7951, 0.3022, 0.3373



94.0097, 0.2998, 0.3393



85.1189, 0.2976, 0.3252



18.6581, 0.3025, 0.3370



36.6339, 0.2562, 0.4422



3.2388, 0.2517, 0.4262

Inverse Universe

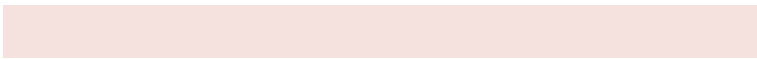
The Inverse Universe completely reimagines the original color for something new.



76.7968, 0.3245, 0.3209



80.7635, 0.3275, 0.3189



78.2791, 0.3296, 0.3327



16.5739, 0.3241, 0.3211



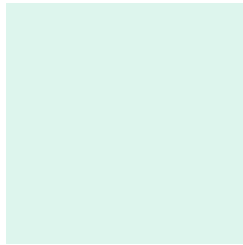
10.8084, 0.5638, 0.2880



0.9683, 0.5288, 0.2686

Previews

White Background



This preview shows how the Yxy color 86.7914, 0.3022, 0.3373 looks on a white background.

Color Contrast Check

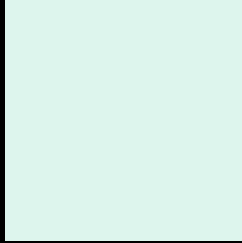
Large Text (above 18pt) WCAG AA × Fail

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 86.7914, 0.3022, 0.3373 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

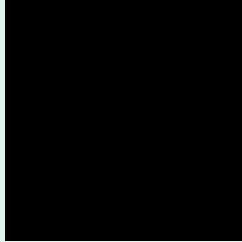
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

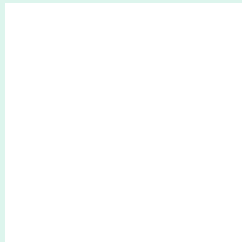
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 86.7914, 0.3022, 0.3373

Background



This preview shows how black text looks on a background with the Yxy color 86.7914, 0.3022, 0.3373.

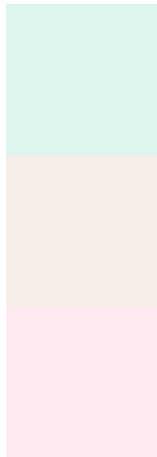


This preview shows how white text looks on a background with the Yxy color 86.7914, 0.3022, 0.3373.

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

86.7914, 0.3022, 0.3373

Protanopia

86.4447, 0.3205, 0.3340

Deuteranopia

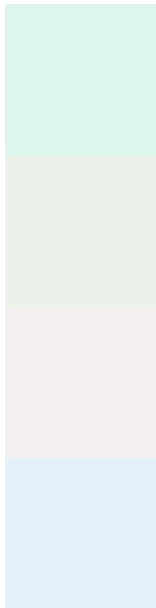
86.3969, 0.3231, 0.3232



Tritanopia

86.7886, 0.2968, 0.3148

Trichromacy



Original Color

86.7914, 0.3022, 0.3373

Protanomaly

86.6840, 0.3137, 0.3361

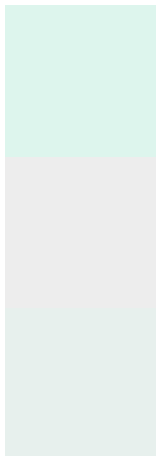
Deuteranomaly

86.4358, 0.3154, 0.3280

Tritanomaly

86.4503, 0.2990, 0.3228

Monochromacy



Original Color

86.7914, 0.3022, 0.3373

Achromatopsia

84.6873, 0.3127, 0.3290

Achromatomaly

85.4235, 0.3087, 0.3321

CSS Examples

Text

The CSS property to change the color of the text to Yxy 86.7914, 0.3022, 0.3373 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, 245, 237)` looks like.

```
.text, #text, p{  
    color:rgb(221, 245, 237)  
}
```

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, 245, 237) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(221, 245, 237) }
```

Border

The CSS property to change the border of an element to Yxy 86.7914, 0.3022, 0.3373 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, 245, 237) }
```

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

```
.border{ border-color:rgb(221, 245, 237) }
```

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

Here you see how a box with a 4 pixel `rgb(221, 245, 237)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(221, 245, 237); -webkit-box-  
shadow:4px 4px 4px 4px rgb(221, 245, 237);  
box-shadow:4px 4px 4px 4px rgb(221, 245,  
237) }
```


Background

The CSS property to change the background color of an element to Yxy 86.7914, 0.3022, 0.3373 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(221, 245, 237) }
```

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

```
.background{ background-color: rgb(221,  
245, 237) }
```

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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