

Converting Colors

$Yxy(86.1721, 0.2972, 0.3384)$

Have a look what the booklet for
Yxy(86.1721, 0.2972, 0.3384)
contains.

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Color

Yxy(86.1721, 0.2972, 0.3384)

Conversions

Conversions Part 1

Format	Color
Hex	D5F6ED
RGB	213, 246, 237
RGB Percent	84%, 96%, 93%
CMY	0.1648, 0.0353, 0.0704
CMYK	0.13, 0.00, 0.04, 0.04
HSL	164°, 65%, 90%
HSV	164°, 13%, 96%
XYZ	75.6807, 86.1721, 92.7929
YIQ	235.1070, -16.7790, -9.7950

Conversions

Conversions Part 2

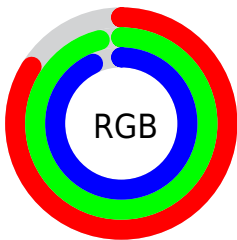
Format	Color
R _Y B	213, 232, 246
Decimal	14022381
CIE Lab	94.39, -12.37, 0.70
CIE LCh	94, 12.390, 176.754
Yxy	86.1721, 0.2972, 0.3384
Android (android.graphics.Color)	4292212461 (0xFFD5F6ED)
YUV	235.1070, 0.9332, -19.3878
Hunter-Lab	92.8289, -16.9248, 5.7133

Details

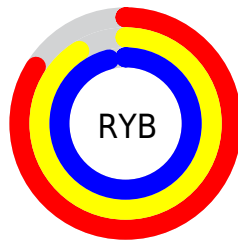
The Yxy color **86.1721, 0.2972, 0.3384** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **72.4409, 0.3310, 0.3198**, and the grayscale version is **83.1663, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **47.4322, 0.2939, 0.3412** is the 20% darker color. If you saturate the color by 10%, you get **82.3889, 0.2863, 0.3462**, and if you desaturate by 10%, it is **90.5350, 0.3087, 0.3313**.

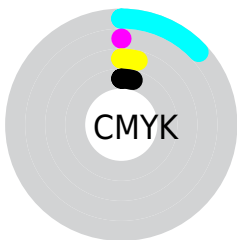
Distribution



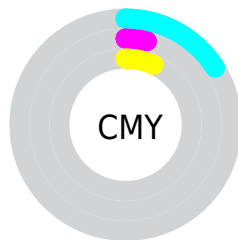
- Red (84%)
- Green (96%)
- Blue (93%)



- Red (84%)
- Yellow (91%)
- Blue (96%)



- Cyan (13%)
- Magenta (0%)
- Yellow (4%)
- Black (4%)





- Cyan (16%)
- Magenta (4%)
- Yellow (7%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 86.1721, 0.2972, 0.3384 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 86.1721, 0.2972, 0.3384 by changing the saturation by 10% instead.

 86.1721, 0.2972,
0.3384

 86.1721, 0.2972,
0.3384

515.4985, 0.3042,
0.3342

 64.8103, 0.2957,
0.3393

142.0096, 0.2996,
0.3370

 47.3073, 0.2938,
0.3405


177.2541, 0.3005,
0.3364

 33.2786, 0.2914,
0.3419


217.8950, 0.3013,
0.3359

 22.3400, 0.2884,
0.3438

264.3166, 0.3020,
0.3355

 14.1069, 0.2844,
0.3462

316.9034, 0.3027,
0.3351

 8.1951, 0.2787,
0.3497

376.0397, 0.3032,

 4.2200, 0.2704,

0.3348

0.3548

442.1099, 0.3037,
0.3344

■ 1.7974, 0.2565,
0.3634

■ 0.4855, 0.1418,
0.4317

■ 86.1721, 0.2972,
0.3384

■ 86.1721, 0.2972,
0.3384

■ 82.3889, 0.2863,
0.3462

■ 90.5350, 0.3087,
0.3313

■ 79.1495, 0.2763,
0.3548

■ 94.1039, 0.3159,
0.3248

■ 76.4302, 0.2674,
0.3639

■ 94.3968, 0.3131,
0.3204

■ 74.2016, 0.2600,
0.3736

■ 72.4312, 0.2544,
0.3836

■ 71.0825, 0.2507,
0.3939

■ 70.1133, 0.2490,
0.4043

■ 69.4722, 0.2493,
0.4145

■ 69.1798, 0.2503,
0.4212

Harmonies

Analogous

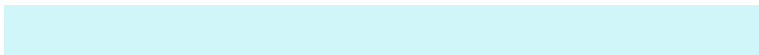
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



86.1721, 0.3104, 0.3489



86.1721, 0.2972, 0.3384



86.1721, 0.2882, 0.3254

Triad

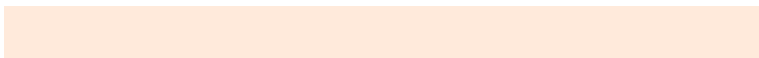
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



86.1721, 0.2972, 0.3384



86.1721, 0.3006, 0.3054



86.1721, 0.3405, 0.3434

Complementary

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



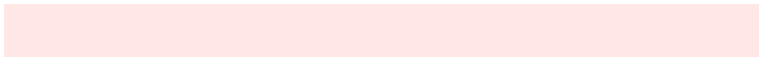
86.1721, 0.2972, 0.3384



72.4409, 0.3310, 0.3198

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.



86.1721, 0.3378, 0.3318



86.1721, 0.2972, 0.3384



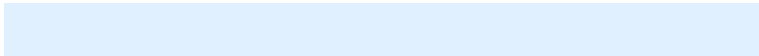
86.1721, 0.3145, 0.3102

Square

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



86.1721, 0.2972, 0.3384



86.1721, 0.2901, 0.3066



86.1721, 0.3282, 0.3197



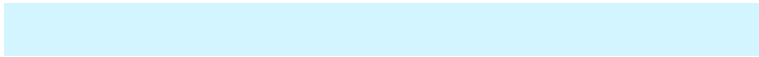
86.1721, 0.3356, 0.3515

Rectangle

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



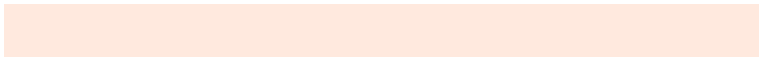
86.1721, 0.2972, 0.3384



86.1721, 0.2857, 0.3173



86.1721, 0.3282, 0.3197



86.1721, 0.3405, 0.3397

Sweetspot

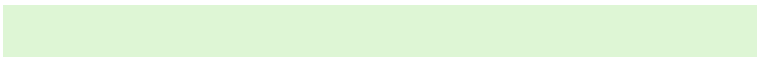
The Sweet Spot groups the original color and five complimentary colors.



86.1757, 0.2972, 0.3384



97.9394, 0.3080, 0.3317



86.3019, 0.3171, 0.3640



20.8826, 0.3071, 0.3322



0.0000, 0.0000, 0.0000



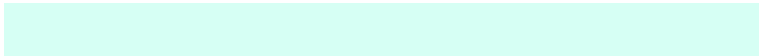
21.4041, 0.3127, 0.3290

Same Dimension

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



86.1757, 0.2972, 0.3384



92.3731, 0.2943, 0.3404



82.4425, 0.2920, 0.3214



18.6765, 0.3017, 0.3355



36.9473, 0.2499, 0.4195



3.2645, 0.2463, 0.4067

Inverse Universe

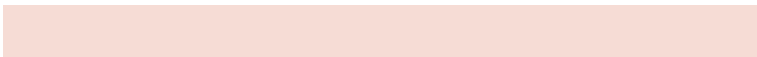
The Inverse Universe completely reimagines the original color for something new.



72.4409, 0.3310, 0.3198



74.9059, 0.3352, 0.3179



75.6527, 0.3364, 0.3365



16.5564, 0.3251, 0.3226



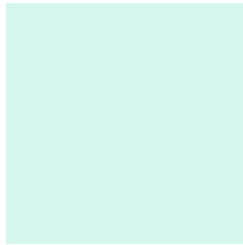
10.6929, 0.5862, 0.3003



0.9563, 0.5509, 0.2808

Previews

White Background



This preview shows how the Yxy color 86.1721, 0.2972, 0.3384 looks on a white background.

Color Contrast Check

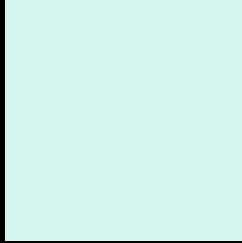
Large Text (above 18pt) WCAG AA × Fail

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 86.1721, 0.2972, 0.3384 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

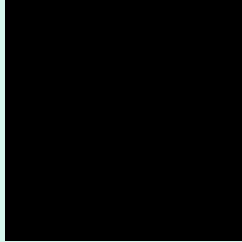
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

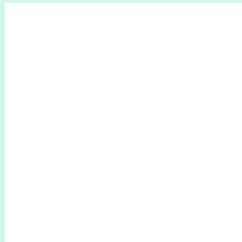
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 86.1721, 0.2972, 0.3384

Background



This preview shows how black text looks on a background with the Yxy color 86.1721, 0.2972, 0.3384.

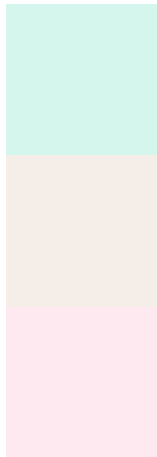


This preview shows how white text looks on a background with the Yxy color 86.1721, 0.2972, 0.3384.

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

86.1721, 0.2972, 0.3384

Protanopia

85.6277, 0.3205, 0.3341

Deuteranopia

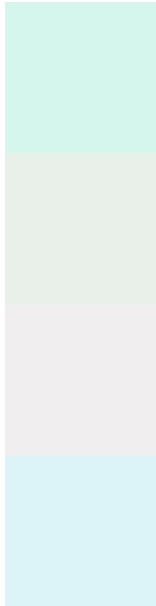
85.8291, 0.3232, 0.3222



Tritanopia

85.9779, 0.2937, 0.3147

Trichromacy



Original Color

86.1721, 0.2972, 0.3384

Protanomaly

85.5843, 0.3118, 0.3351

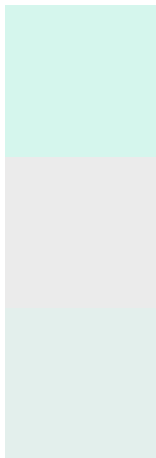
Deuteranomaly

85.9063, 0.3134, 0.3280

Tritanomaly

86.0941, 0.2953, 0.3238

Monochromacy



Original Color

86.1721, 0.2972, 0.3384

Achromatopsia

83.0770, 0.3127, 0.3290

Achromatomaly

84.1200, 0.3067, 0.3321

CSS Examples

Text

The CSS property to change the color of the text to Yxy 86.1721, 0.2972, 0.3384 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(213, 246, 237)` looks like.

```
.text, #text, p{  
    color:rgb(213, 246, 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(213, 246, 237) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(213, 246, 237) }
```

Border

The CSS property to change the border of an element to Yxy 86.1721, 0.2972, 0.3384 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(213, 246, 237) }
```

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

```
.border{ border-color:rgb(213, 246, 237) }
```

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

Here you see how a box with a 4 pixel rgb(213, 246, 237) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(213, 246, 237); -webkit-box-  
shadow:4px 4px 4px 4px rgb(213, 246, 237);  
box-shadow:4px 4px 4px 4px rgb(213, 246,  
237) }
```


Background

The CSS property to change the background color of an element to Yxy 86.1721, 0.2972, 0.3384 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(213, 246, 237) }
```

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

```
.background{ background-color: rgb(213,  
246, 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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