

Converting Colors

$Yxy(85.3131, 0.3023, 0.3367)$

Have a look what the booklet for
Yxy(85.3131, 0.3023, 0.3367)
contains.

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Color

Yxy(85.3730, 0.3021, 0.3363)

Conversions

Conversions Part 1

Format	Color
Hex	DCF3EC
RGB	220, 243, 236
RGB Percent	86%, 95%, 93%
CMY	0.1375, 0.0470, 0.0745
CMYK	0.10, 0.00, 0.03, 0.05
HSL	162°, 49%, 91%
HSV	162°, 10%, 95%
XYZ	76.6910, 85.3730, 91.7956
YIQ	235.3250, -11.4610, -7.0530

Conversions

Conversions Part 2

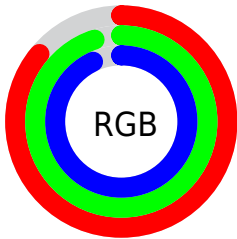
Format	Color
R _Y B	220, 234, 243
Decimal	14480364
CIE Lab	94.04, -8.84, 0.79
CIE LCh	94, 8.877, 174.873
Yxy	85.3730, 0.3021, 0.3363
Android (android.graphics.Color)	4292670444 (0xFFDCE3EC)
YUV	235.3250, 0.3328, -13.4400
Hunter-Lab	92.3975, -13.5386, 5.7745

Details

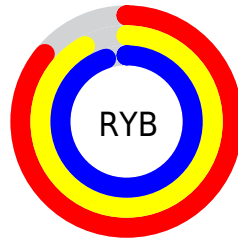
The Yxy color **85.3730, 0.3021, 0.3363** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **75.7534, 0.3246, 0.3218**, and the grayscale version is **83.3367, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **46.8353, 0.3001, 0.3384** is the 20% darker color. If you saturate the color by 10%, you get **81.4371, 0.2914, 0.3448**, and if you desaturate by 10%, it is **89.8850, 0.3133, 0.3286**.

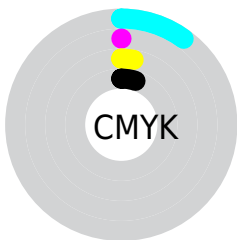
Distribution



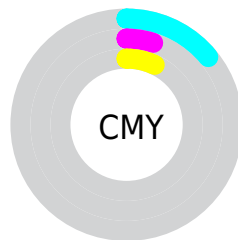
- Red (86%)
- Green (95%)
- Blue (93%)



- Red (86%)
- Yellow (92%)
- Blue (95%)



- Cyan (10%)
- Magenta (0%)
- Yellow (3%)
- Black (5%)





- Cyan (14%)
- Magenta (5%)
- Yellow (7%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 85.3730, 0.3021, 0.3363 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 85.3730, 0.3021, 0.3363 by changing the saturation by 10% instead.

 85.3730, 0.3021,
0.3363

 85.3730, 0.3021,
0.3363


512.8615, 0.3069,
0.3330

 64.1496, 0.3010,
0.3370


140.8942, 0.3037,
0.3352

 46.7719, 0.2997,
0.3379


175.9608, 0.3044,
0.3347

 32.8553, 0.2981,
0.3390


216.4106, 0.3049,
0.3344

 22.0157, 0.2960,
0.3405

262.6280, 0.3054,
0.3340

 13.8684, 0.2932,
0.3424

314.9974, 0.3059,
0.3337

 8.0292, 0.2893,
0.3451

373.9032, 0.3062,

 4.1136, 0.2835,

0.3335

0.3492

439.7298, 0.3066,
0.3332

■ 1.7373, 0.2737,
0.3561

■ 0.4477, 0.1925,
0.4110

■ 85.3730, 0.3021,
0.3363

■ 85.3730, 0.3021,
0.3363

■ 81.4371, 0.2914,
0.3448

■ 89.8850, 0.3133,
0.3286

■ 78.0426, 0.2813,
0.3541


■ 92.3261, 0.3158,
0.3216


■ 75.1675, 0.2723,
0.3641


■ 92.5950, 0.3133,
0.3175

■ 72.7841, 0.2646,
0.3748

 70.8620, 0.2585,
0.3860

 69.3673, 0.2543,
0.3976

 68.2616, 0.2521,
0.4093

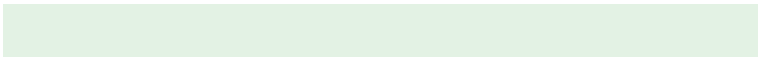
 67.4990, 0.2519,
0.4210

 67.0071, 0.2535,
0.4325

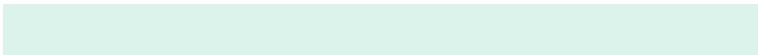
Harmonies

Analogous

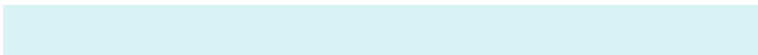
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



85.3730, 0.3118, 0.3436



85.3730, 0.3021, 0.3363



85.3730, 0.2953, 0.3271

Triad

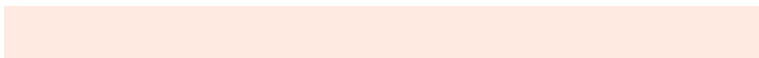
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



85.3730, 0.3021, 0.3363



85.3730, 0.3035, 0.3119



85.3730, 0.3327, 0.3390

Complementary

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



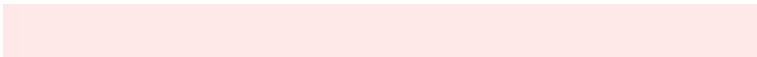
85.3730, 0.3021, 0.3363



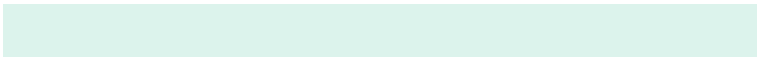
75.7534, 0.3246, 0.3218

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.



85.3730, 0.3304, 0.3305



85.3730, 0.3021, 0.3363



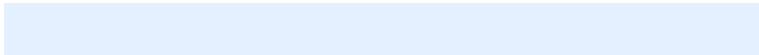
85.3730, 0.3134, 0.3151

Square

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



85.3730, 0.3021, 0.3363



85.3730, 0.2961, 0.3131



85.3730, 0.3233, 0.3218



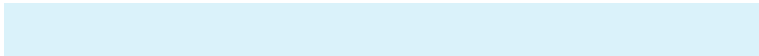
85.3730, 0.3295, 0.3450

Rectangle

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



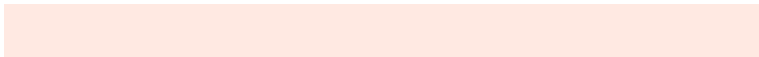
85.3730, 0.3021, 0.3363



85.3730, 0.2933, 0.3212



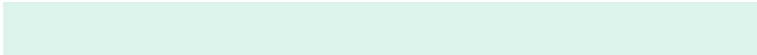
85.3730, 0.3233, 0.3218



85.3730, 0.3326, 0.3363

Sweetspot

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



85.3766, 0.3021, 0.3363



98.4290, 0.3093, 0.3312



85.6495, 0.3164, 0.3532



20.9801, 0.3084, 0.3318



0.0000, 0.0000, 0.0000



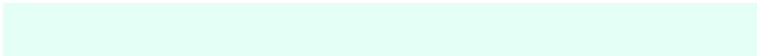
21.4041, 0.3127, 0.3290

Same Dimension

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



85.3766, 0.3021, 0.3363



94.5257, 0.3004, 0.3375



83.2877, 0.2980, 0.3245



18.6670, 0.3021, 0.3363



36.7812, 0.2531, 0.4312



3.2509, 0.2491, 0.4167

Inverse Universe

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



75.7534, 0.3246, 0.3218



82.1965, 0.3267, 0.3206



77.6232, 0.3289, 0.3334



16.5654, 0.3246, 0.3218



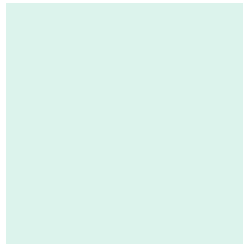
10.7492, 0.5750, 0.2941



0.9623, 0.5396, 0.2746

Previews

White Background



This preview shows how the Yxy color 85.3730, 0.3021, 0.3363 looks on a white background.

Color Contrast Check

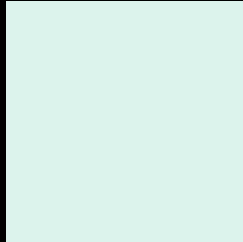
Large Text (above 18pt) WCAG AA × Fail

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 85.3730, 0.3021, 0.3363 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

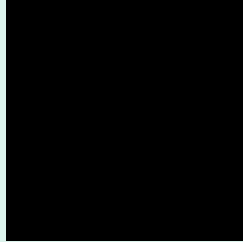
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

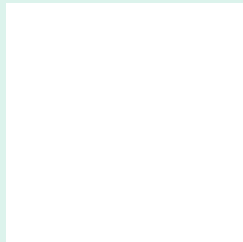
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 85.3730, 0.3021, 0.3363

Background



This preview shows how black text looks on a background with the Yxy color 85.3730, 0.3021, 0.3363.

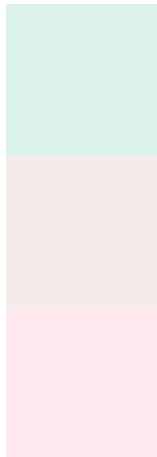


This preview shows how white text looks on a background with the Yxy color 85.3730, 0.3021, 0.3363.

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

85.3730, 0.3021, 0.3363

Protanopia

84.8718, 0.3199, 0.3331

Deuteranopia

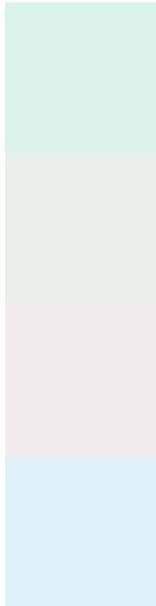
85.1463, 0.3246, 0.3231



Tritanopia

85.1218, 0.2949, 0.3127

Trichromacy



Original Color

85.3730, 0.3021, 0.3363

Protanomaly

85.2784, 0.3137, 0.3351

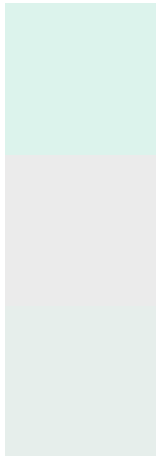
Deuteranomaly

84.9826, 0.3161, 0.3280

Tritanomaly

84.9448, 0.2977, 0.3207

Monochromacy



Original Color

85.3730, 0.3021, 0.3363

Achromatopsia

83.0770, 0.3127, 0.3290

Achromatomaly

83.9702, 0.3093, 0.3321

CSS Examples

Text

The CSS property to change the color of the text to Yxy 85.3730, 0.3021, 0.3363 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(220, 243, 236)` looks like.

```
.text, #text, p{  
    color:rgb(220, 243, 236)  
}
```

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(220, 243, 236) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(220, 243, 236) }
```

Border

The CSS property to change the border of an element to Yxy 85.3730, 0.3021, 0.3363 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(220, 243, 236) }
```

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

```
.border{ border-color:rgb(220, 243, 236) }
```

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

Here you see how a box with a 4 pixel rgb(220, 243, 236) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(220, 243, 236); -webkit-box-  
shadow:4px 4px 4px 4px rgb(220, 243, 236);  
box-shadow:4px 4px 4px 4px rgb(220, 243,  
236) }
```


Background

The CSS property to change the background color of an element to Yxy 85.3730, 0.3021, 0.3363 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(220, 243, 236) }
```

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

```
.background{ background-color: rgb(220,  
243, 236) }
```

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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