

Converting Colors

Yxy(85.6464, 0.3016, 0.3342)

Have a look what the booklet for
Yxy(85.6464, 0.3016, 0.3342)
contains.

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Color

Yxy(85.6464, 0.3016, 0.3342)

Conversions

Conversions Part 1

Format	Color
Hex	DDF3EE
RGB	221, 243, 238
RGB Percent	87%, 95%, 93%
CMY	0.1335, 0.0470, 0.0667
CMYK	0.09, 0.00, 0.02, 0.05
HSL	166°, 48%, 91%
HSV	166°, 9%, 95%
XYZ	77.2919, 85.6464, 93.3346
YIQ	235.8520, -11.5070, -6.2190

Conversions

Conversions Part 2

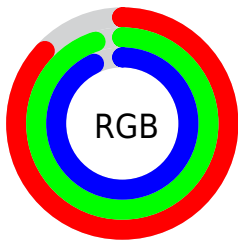
Format	Color
R _Y B	221, 233, 243
Decimal	14545902
CIE Lab	94.16, -8.13, -0.05
CIE LCh	94, 8.135, 180.383
Yxy	85.6464, 0.3016, 0.3342
Android (android.graphics.Color)	4292735982 (0xFFDDDF3EE)
YUV	235.8520, 1.0590, -13.0252
Hunter-Lab	92.5453, -12.8749, 4.9861

Details

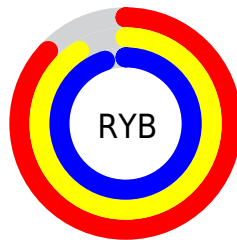
The Yxy color **85.6464, 0.3016, 0.3342** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **76.2429, 0.3251, 0.3239**, and the grayscale version is **83.7574, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **47.0250, 0.2994, 0.3357** is the 20% darker color. If you saturate the color by 10%, you get **81.7874, 0.2898, 0.3405**, and if you desaturate by 10%, it is **90.0747, 0.3139, 0.3285**.

Distribution



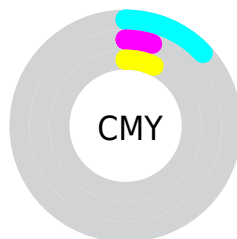
- Red (87%)
- Green (95%)
- Blue (93%)



- Red (87%)
- Yellow (91%)
- Blue (95%)



- Cyan (9%)
- Magenta (0%)
- Yellow (2%)
- Black (5%)





- Cyan (13%)
- Magenta (5%)
- Yellow (7%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 85.6464, 0.3016, 0.3342 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 85.6464, 0.3016, 0.3342 by changing the saturation by 10% instead.


 85.6464, 0.3016,
0.3342

 85.6464, 0.3016,
0.3342

513.7645, 0.3066,
0.3319

 64.3756, 0.3005,
0.3347


141.2759, 0.3033,
0.3334

 46.9550, 0.2991,
0.3353


176.4035, 0.3040,
0.3331

 33.0001, 0.2974,
0.3361


216.9188, 0.3046,
0.3328

 22.1265, 0.2953,
0.3371

263.2061, 0.3051,
0.3326

 13.9499, 0.2924,
0.3385

315.6500, 0.3055,
0.3324

 8.0858, 0.2883,
0.3404

374.6348, 0.3059,

 4.1499, 0.2823,

0.3322

0.3432

440.5448, 0.3063,
0.3320

■ 1.7578, 0.2723,
0.3478

■ 0.4606, 0.1985,
0.3822

■ 85.6464, 0.3016,
0.3342

■ 85.6464, 0.3016,
0.3342

■ 81.7874, 0.2898,
0.3405

■ 90.0747, 0.3139,
0.3285

■ 78.4632, 0.2789,
0.3474

■ 92.2152, 0.3168,
0.3232

■ 75.6520, 0.2690,
0.3547

■ 92.5665, 0.3135,
0.3179

■ 73.3263, 0.2606,
0.3626

■ 92.5911, 0.3133,
0.3175

■ 71.4560, 0.2538,
0.3707

■ 70.0076, 0.2489,
0.3792

■ 68.9430, 0.2460,
0.3877

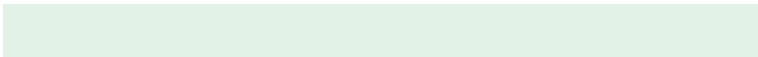
■ 68.2167, 0.2451,
0.3962

■ 67.7604, 0.2458,
0.4046

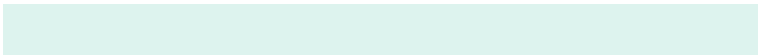
Harmonies

Analogous

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



85.6464, 0.3101, 0.3413



85.6464, 0.3016, 0.3342



85.6464, 0.2961, 0.3257

Triad

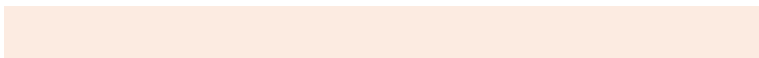
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



85.6464, 0.3016, 0.3342



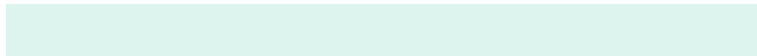
85.6464, 0.3058, 0.3135



85.6464, 0.3308, 0.3394

Complementary

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



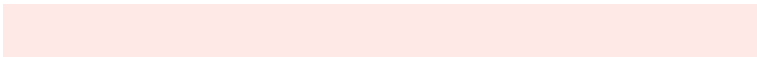
85.6464, 0.3016, 0.3342



76.2429, 0.3251, 0.3239

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.



85.6464, 0.3297, 0.3319



85.6464, 0.3016, 0.3342



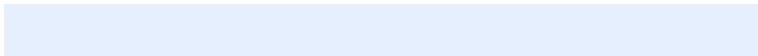
85.6464, 0.3151, 0.3172

Square

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



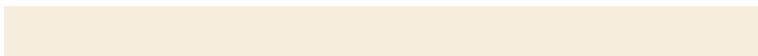
85.6464, 0.3016, 0.3342



85.6464, 0.2985, 0.3139



85.6464, 0.3239, 0.3238



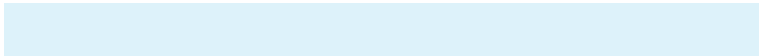
85.6464, 0.3271, 0.3442

Rectangle

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



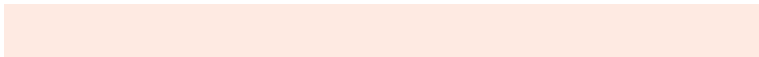
85.6464, 0.3016, 0.3342



85.6464, 0.2948, 0.3205



85.6464, 0.3239, 0.3238



85.6464, 0.3310, 0.3371

Sweetspot

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



85.6500, 0.3016, 0.3342



98.4660, 0.3090, 0.3307



85.5163, 0.3150, 0.3521



20.9901, 0.3080, 0.3311



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.



85.6500, 0.3016, 0.3342



94.6574, 0.2993, 0.3354



82.4860, 0.2987, 0.3228



18.6893, 0.3011, 0.3345



37.1850, 0.2456, 0.4040



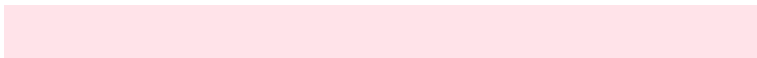
3.2836, 0.2426, 0.3935

Inverse Universe

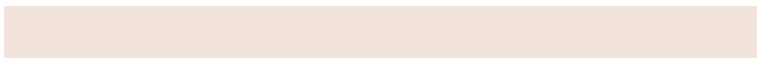
The Inverse Universe completely reimagines the original color for something new.



76.2429, 0.3251, 0.3239



82.0740, 0.3281, 0.3227



79.1300, 0.3279, 0.3351



16.5444, 0.3258, 0.3236



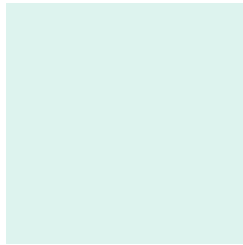
10.6284, 0.5998, 0.3078



0.9492, 0.5654, 0.2888

Previews

White Background



This preview shows how the Yxy color 85.6464, 0.3016, 0.3342 looks on a white background.

Color Contrast Check

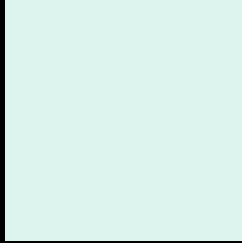
Large Text (above 18pt) WCAG AA × Fail

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 85.6464, 0.3016, 0.3342 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

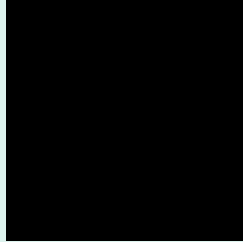
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

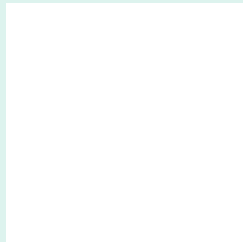
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 85.6464, 0.3016, 0.3342

Background



This preview shows how black text looks on a background with the Yxy color 85.6464, 0.3016, 0.3342.

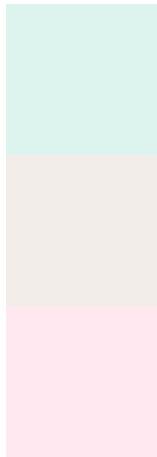


This preview shows how white text looks on a background with the Yxy color 85.6464, 0.3016, 0.3342.

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

85.6464, 0.3016, 0.3342

Protanopia

85.5636, 0.3186, 0.3320

Deuteranopia

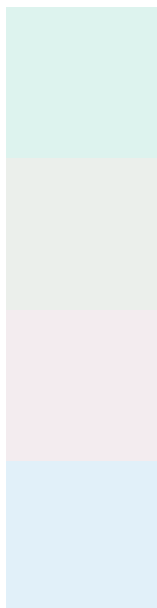
85.2645, 0.3233, 0.3212



Tritanopia

85.2839, 0.2955, 0.3127

Trichromacy



Original Color

85.6464, 0.3016, 0.3342

Protanomaly

85.3933, 0.3125, 0.3331

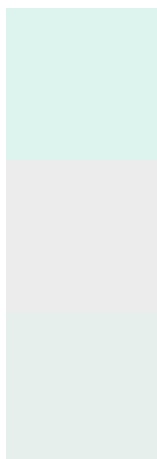
Deuteranomaly

85.2776, 0.3155, 0.3260

Tritanomaly

85.1673, 0.2978, 0.3197

Monochromacy



Original Color

85.6464, 0.3016, 0.3342

Achromatopsia

83.8799, 0.3127, 0.3290

Achromatomaly

84.8364, 0.3087, 0.3310

CSS Examples

Text

The CSS property to change the color of the text to Yxy 85.6464, 0.3016, 0.3342 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, 243, 238)` looks like.

```
.text, #text, p{  
    color:rgb(221, 243, 238)  
}
```

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, 243, 238) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(221, 243, 238) }
```

Border

The CSS property to change the border of an element to Yxy 85.6464, 0.3016, 0.3342 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, 243, 238) }
```

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

```
.border{ border-color:rgb(221, 243, 238) }
```

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

Here you see how a box with a 4 pixel `rgb(221, 243, 238)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(221, 243, 238); -webkit-box-  
shadow:4px 4px 4px 4px rgb(221, 243, 238);  
box-shadow:4px 4px 4px 4px rgb(221, 243,  
238) }
```


Background

The CSS property to change the background color of an element to Yxy 85.6464, 0.3016, 0.3342 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(221, 243, 238) }
```

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

```
.background{ background-color: rgb(221,  
243, 238) }
```

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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