

Converting Colors

$Yxy(84.1560, 0.3007, 0.3354)$

Have a look what the booklet for
Yxy(84.1560, 0.3007, 0.3354)
contains.

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Color

Yxy(84.3121, 0.3003, 0.3353)

Conversions

Conversions Part 1

Format	Color
Hex	D9F2EC
RGB	217, 242, 236
RGB Percent	85%, 95%, 93%
CMY	0.1489, 0.0510, 0.0746
CMYK	0.10, 0.00, 0.02, 0.05
HSL	166°, 49%, 90%
HSV	166°, 10%, 95%
XYZ	75.5113, 84.3121, 91.6294
YIQ	233.8410, -12.9740, -7.1660

Conversions

Conversions Part 2

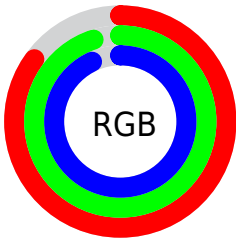
Format	Color
R _{YB}	217, 231, 242
Decimal	14283500
CIE Lab	93.59, -9.27, 0.12
CIE LCh	94, 9.268, 179.269
Yxy	84.3121, 0.3003, 0.3353
Android (android.graphics.Color)	4292473580 (0xFFD9F2EC)
YUV	233.8410, 1.0644, -14.7696
Hunter-Lab	91.8216, -13.8950, 5.1093

Details

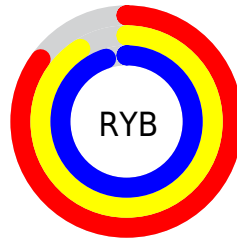
The Yxy color **84.3121, 0.3003, 0.3353** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **73.8508, 0.3268, 0.3228**, and the grayscale version is **82.1568, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **46.0945, 0.2977, 0.3371** is the 20% darker color. If you saturate the color by 10%, you get **80.5404, 0.2888, 0.3420**, and if you desaturate by 10%, it is **88.6458, 0.3123, 0.3292**.

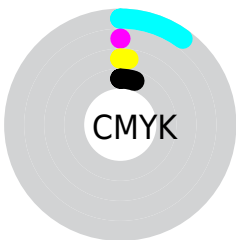
Distribution



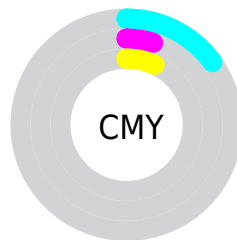
- Red (85%)
- Green (95%)
- Blue (93%)



- Red (85%)
- Yellow (91%)
- Blue (95%)



- Cyan (10%)
- Magenta (0%)
- Yellow (2%)
- Black (5%)



- Cyan (15%)
- Magenta (5%)
- Yellow (7%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 84.3121, 0.3003, 0.3353 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 84.3121, 0.3003, 0.3353 by changing the saturation by 10% instead.

84.3121, 0.3003,
0.3353

84.3121, 0.3003,
0.3353

509.3491, 0.3059,
0.3325

63.2731, 0.2991,
0.3359

139.4117, 0.3022,
0.3343

46.0622, 0.2975,
0.3367

174.2411, 0.3030,
0.3340

32.2949, 0.2956,
0.3377

214.4361, 0.3036,
0.3336

21.5869, 0.2932,
0.3389

260.3811, 0.3042,
0.3333

13.5536, 0.2899,
0.3406

312.4605, 0.3047,
0.3331

7.8109, 0.2853,
0.3429

371.0587, 0.3051,

3.9742, 0.2784,

0.3329

0.3464

436.5601, 0.3055,
0.3327

■ 1.6591, 0.2670,
0.3522

■ 0.3970, 0.1554,
0.4084

■ 84.3121, 0.3003,
0.3353

■ 84.3121, 0.3003,
0.3353

■ 80.5404, 0.2888,
0.3420

■ 88.6458, 0.3123,
0.3292

■ 77.2964, 0.2781,
0.3494


■ 91.5203, 0.3178,
0.3236

■ 74.5582, 0.2686,
0.3573

■ 91.8879, 0.3142,
0.3180

■ 72.2983, 0.2604,
0.3657

■ 91.9843, 0.3133,
0.3165

 70.4865, 0.2540,
0.3744

 69.0891, 0.2494,
0.3834

 68.0677, 0.2468,
0.3925

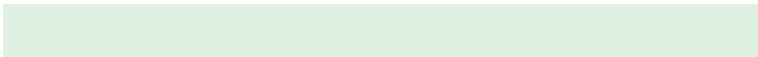
 67.3763, 0.2463,
0.4015

 66.9477, 0.2473,
0.4102

Harmonies

Analogous

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



84.3121, 0.3101, 0.3434



84.3121, 0.3003, 0.3353



84.3121, 0.2938, 0.3256

Triad

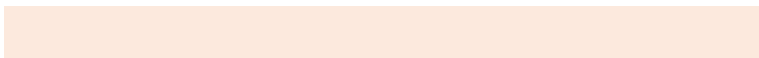
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



84.3121, 0.3003, 0.3353



84.3121, 0.3044, 0.3113



84.3121, 0.3335, 0.3406

Complementary

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



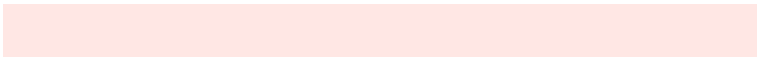
84.3121, 0.3003, 0.3353



73.8508, 0.3268, 0.3228

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.



84.3121, 0.3320, 0.3320



84.3121, 0.3003, 0.3353



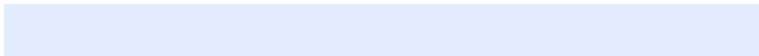
84.3121, 0.3150, 0.3152

Square

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



84.3121, 0.3003, 0.3353



84.3121, 0.2962, 0.3118



84.3121, 0.3252, 0.3227



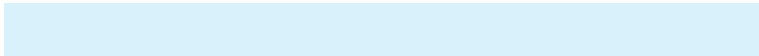
84.3121, 0.3294, 0.3463

Rectangle

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



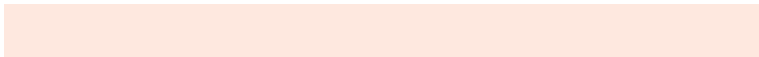
84.3121, 0.3003, 0.3353



84.3121, 0.2922, 0.3196



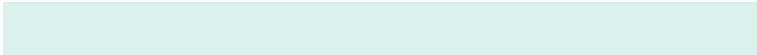
84.3121, 0.3252, 0.3227



84.3121, 0.3337, 0.3379

Sweetspot

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



84.3157, 0.3003, 0.3353



98.4595, 0.3091, 0.3308



84.2474, 0.3156, 0.3554



20.9884, 0.3081, 0.3313



0.0000, 0.0000, 0.0000



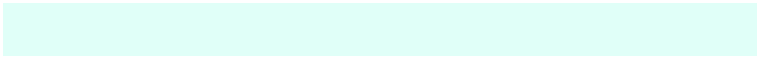
21.4041, 0.3127, 0.3290

Same Dimension

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



84.3157, 0.3003, 0.3353



94.1846, 0.2983, 0.3364



81.0193, 0.2968, 0.3224



17.8599, 0.3013, 0.3348



35.9874, 0.2469, 0.4087



3.0092, 0.2436, 0.3968

Inverse Universe

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



73.8508, 0.3268, 0.3228



80.6006, 0.3295, 0.3217



76.8109, 0.3303, 0.3355



15.8214, 0.3255, 0.3233



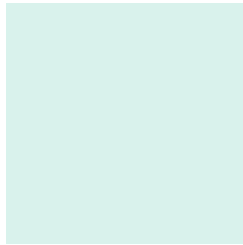
10.3253, 0.5956, 0.3054



0.8741, 0.5589, 0.2852

Previews

White Background



This preview shows how the Yxy color 84.3121, 0.3003, 0.3353 looks on a white background.

Color Contrast Check

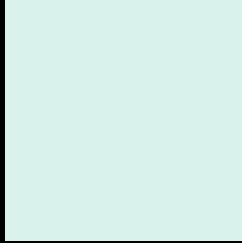
Large Text (above 18pt) WCAG AA × Fail

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 84.3121, 0.3003, 0.3353 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

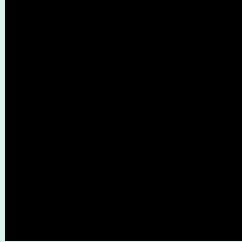
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

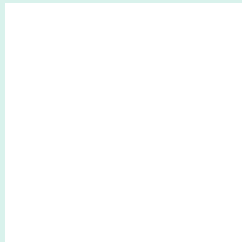
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 84.3121, 0.3003, 0.3353

Background



This preview shows how black text looks on a background with the Yxy color 84.3121, 0.3003, 0.3353.

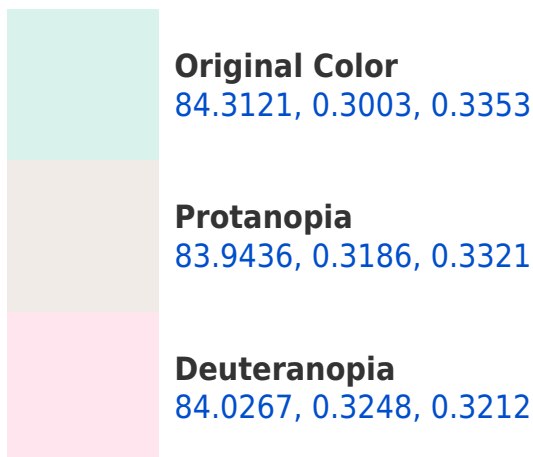


This preview shows how white text looks on a background with the Yxy color 84.3121, 0.3003, 0.3353.

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

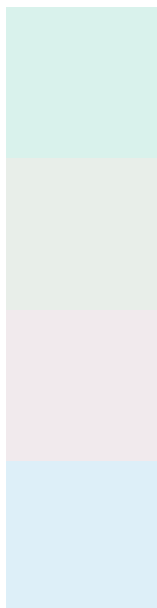




Tritanopia

84.0570, 0.2930, 0.3116

Trichromacy



Original Color

84.3121, 0.3003, 0.3353

Protanomaly

84.1881, 0.3118, 0.3341

Deuteranomaly

83.6608, 0.3155, 0.3260

Tritanomaly

83.8825, 0.2958, 0.3197

Monochromacy



Original Color

84.3121, 0.3003, 0.3353

Achromatopsia

82.2786, 0.3127, 0.3290

Achromatomaly

83.0605, 0.3080, 0.3311

CSS Examples

Text

The CSS property to change the color of the text to Yxy 84.3121, 0.3003, 0.3353 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(217, 242, 236)` looks like.

```
.text, #text, p{  
    color:rgb(217, 242, 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(217, 242, 236) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(217, 242, 236) }
```

Border

The CSS property to change the border of an element to Yxy 84.3121, 0.3003, 0.3353 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(217, 242, 236) }
```

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

```
.border{ border-color:rgb(217, 242, 236) }
```

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

Here you see how a box with a 4 pixel `rgb(217, 242, 236)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(217, 242, 236); -webkit-box-  
shadow:4px 4px 4px 4px rgb(217, 242, 236);  
box-shadow:4px 4px 4px 4px rgb(217, 242,  
236) }
```


Background

The CSS property to change the background color of an element to Yxy 84.3121, 0.3003, 0.3353 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(217, 242, 236) }
```

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

```
.background{ background-color: rgb(217,  
242, 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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