

Converting Colors

$Yxy(80.5287, 0.2934, 0.3200)$

Have a look what the booklet for
Yxy(80.5287, 0.2934, 0.3200)
contains.

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Color

Yxy(80.8187, 0.2937, 0.3205)

Conversions

Conversions Part 1

| Format | Color |
|-------------|-----------------------------|
| Hex | D6ECF4 |
| RGB | 214, 236, 244 |
| RGB Percent | 84%, 93%, 96% |
| CMY | 0.1607, 0.0745, 0.0431 |
| CMYK | 0.12, 0.03, 0.00, 0.04 |
| HSL | 196°, 58%, 90% |
| HSV | 196°, 12%, 96% |
| XYZ | 74.0607, 80.8187, 97.2850 |
| YIQ | 230.3340, -15.6800, -2.1760 |

Conversions

Conversions Part 2

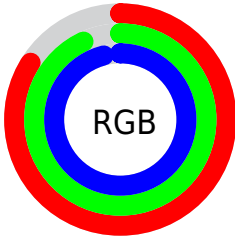
| Format | Color |
|-------------------------------------|-------------------------------|
| R_{YB} | 214, 227, 244 |
| Decimal | 14085364 |
| CIE _{Lab} | 92.05, -5.64, -6.34 |
| CIE _{LCh} | 92, 8.480, 228.346 |
| Yxy | 80.8187, 0.2937, 0.3205 |
| Android (android.graphics.Color) | 4292275444 (0xFFD6ECF4) |
| YUV | 230.3340, 6.7373, -14.3249 |
| Hunter-Lab | 89.8992, -10.2719, -1.2316 |

Details

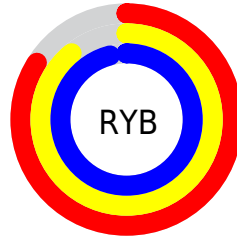
The Yxy color **80.8187, 0.2937, 0.3205** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **76.3459, 0.3340, 0.3374**, and the grayscale version is **79.3532, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **43.6443, 0.2892, 0.3180** is the 20% darker color. If you saturate the color by 10%, you get **73.7384, 0.2784, 0.3128**, and if you desaturate by 10%, it is **88.5924, 0.3092, 0.3275**.

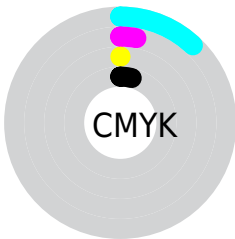
Distribution



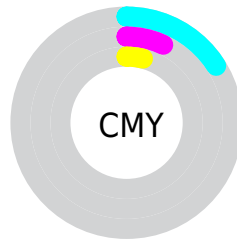
- Red (84%)
- Green (93%)
- Blue (96%)



- Red (84%)
- Yellow (89%)
- Blue (96%)



- Cyan (12%)
- Magenta (3%)
- Yellow (0%)
- Black (4%)



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

Brightness & Saturation Gradients

These gradients show how the Yxy color 80.8187, 0.2937, 0.3205 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 80.8187, 0.2937, 0.3205 by changing the saturation by 10% instead.

80.8187, 0.2937,
0.3205

80.8187, 0.2937,
0.3205

497.6876, 0.3023,
0.3244

60.3923, 0.2918,
0.3196

134.5162, 0.2966,
0.3219

43.7349, 0.2894,
0.3185

168.5560, 0.2978,
0.3224

30.4622, 0.2865,
0.3171

207.9025, 0.2988,
0.3228

20.1896, 0.2827,
0.3153

252.9399, 0.2997,
0.3232

12.5330, 0.2777,
0.3128

304.0528, 0.3004,
0.3236

7.1077, 0.2706,
0.3093

361.6254, 0.3011,

3.5296, 0.2600,

0.3239

0.3038

426.0422, 0.3017,
0.3242

■ 1.4141, 0.2423,
0.2942

■ 0.2271, 0.0786,
0.2281

■ 80.8187, 0.2937,
0.3205

■ 80.8187, 0.2937,
0.3205

■ 73.7384, 0.2784,
0.3128

■ 88.5924, 0.3092,
0.3275

■ 67.3157, 0.2636,
0.3045

■ 95.5597, 0.3195,
0.3339

■ 61.5262, 0.2495,
0.2955

■ 99.3118, 0.3191,
0.3395

■ 56.3400, 0.2367,
0.2860

■ 51.7244, 0.2254,
0.2762

■ 47.6426, 0.2158,
0.2661

■ 44.0527, 0.2082,
0.2560

■ 40.9043, 0.2027,
0.2459

■ 38.7189, 0.1995,
0.2383

Harmonies

Analogous

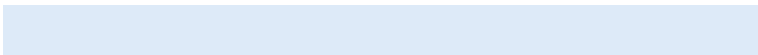
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



80.8187, 0.2969, 0.3291



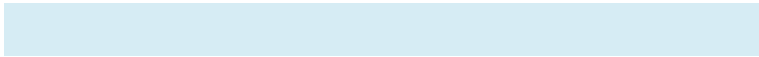
80.8187, 0.2937, 0.3205



80.8187, 0.2955, 0.3144

Triad

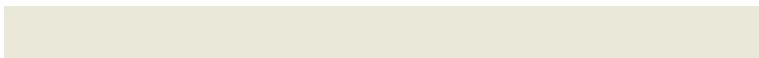
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



80.8187, 0.2937, 0.3205



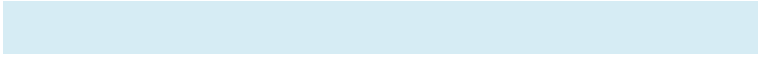
80.8187, 0.3211, 0.3204



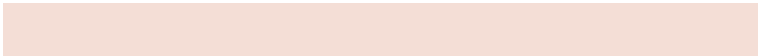
80.8187, 0.3235, 0.3463

Complementary

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



80.8187, 0.2937, 0.3205



76.3459, 0.3340, 0.3374

Split Complementary

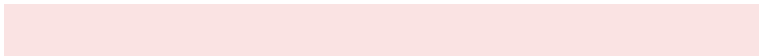
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



80.8187, 0.3302, 0.3436



80.8187, 0.2937, 0.3205



80.8187, 0.3288, 0.3286

Square

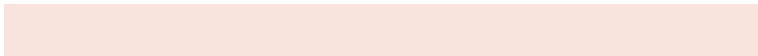
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



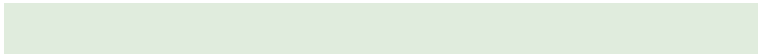
80.8187, 0.2937, 0.3205



80.8187, 0.3112, 0.3144



80.8187, 0.3321, 0.3371



80.8187, 0.3140, 0.3442

Rectangle

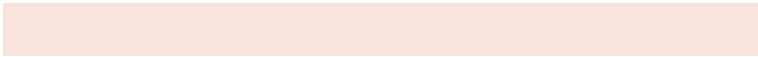
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



80.8187, 0.2937, 0.3205



80.8187, 0.2993, 0.3124



80.8187, 0.3321, 0.3371



80.8187, 0.3261, 0.3459

Sweetspot

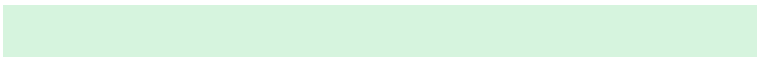
The Sweet Spot groups the original color and five complimentary colors.



80.8221, 0.2937, 0.3205



96.3915, 0.3065, 0.3263



84.2774, 0.3065, 0.3525



20.4895, 0.3053, 0.3258



0.0000, 0.0000, 0.0000



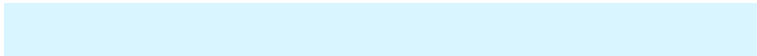
21.4041, 0.3127, 0.3290

Same Dimension

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



80.8221, 0.2937, 0.3205



87.1108, 0.2895, 0.3185



72.5537, 0.2933, 0.3043



17.9656, 0.2980, 0.3225



21.2892, 0.2000, 0.2399



2.0394, 0.2034, 0.2524

Inverse Universe

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



73.3942, 0.3196, 0.3066



77.3366, 0.3213, 0.3014



84.6624, 0.3320, 0.3525



16.6884, 0.3179, 0.3118



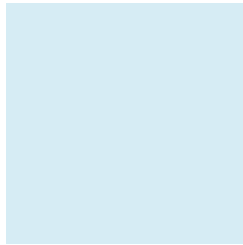
12.2485, 0.4024, 0.1991



1.0935, 0.3899, 0.1921

Previews

White Background



This preview shows how the Yxy color 80.8187, 0.2937, 0.3205 looks on a white background.

Color Contrast Check

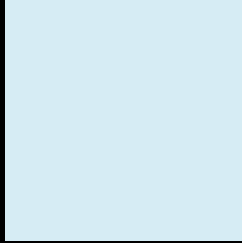
Large Text (above 18pt) WCAG AA × Fail

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 80.8187, 0.2937, 0.3205 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

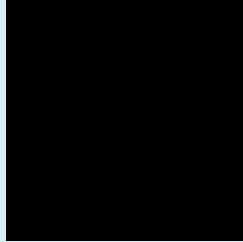
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

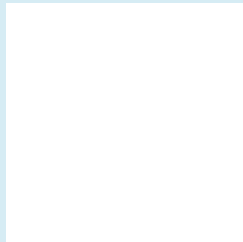
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 80.8187, 0.2937, 0.3205

Background



This preview shows how black text looks on a background with the Yxy color 80.8187, 0.2937, 0.3205.

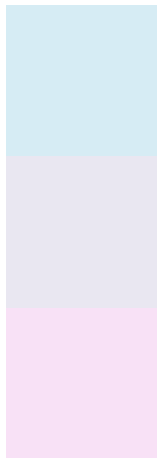


This preview shows how white text looks on a background with the Yxy color 80.8187, 0.2937, 0.3205.

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**

80.8187, 0.2937, 0.3205

Protanopia

80.8263, 0.3078, 0.3187

Deuteranopia

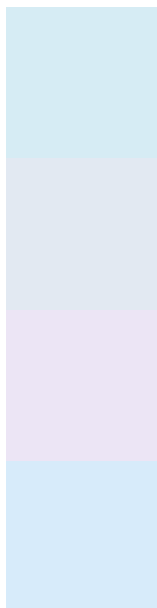
80.4607, 0.3151, 0.3081



Tritanopia

81.1074, 0.2898, 0.3102

Trichromacy



Original Color

80.8187, 0.2937, 0.3205

Protanomaly

80.8574, 0.3025, 0.3196

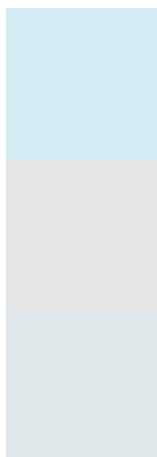
Deuteranomaly

80.4641, 0.3074, 0.3127

Tritanomaly

80.7659, 0.2908, 0.3132

Monochromacy



Original Color

80.8187, 0.2937, 0.3205

Achromatopsia

79.1298, 0.3127, 0.3290

Achromatomaly

79.5587, 0.3055, 0.3258

CSS Examples

Text

The CSS property to change the color of the text to Yxy 80.8187, 0.2937, 0.3205 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(214, 236, 244)` looks like.

```
.text, #text, p{  
    color:rgb(214, 236, 244)  
}
```

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(214, 236, 244) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(214, 236, 244) }
```

Border

The CSS property to change the border of an element to Yxy 80.8187, 0.2937, 0.3205 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(214, 236, 244) }
```

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

```
.border{ border-color:rgb(214, 236, 244) }
```

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

Here you see how a box with a 4 pixel `rgb(214, 236, 244)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(214, 236, 244); -webkit-box-  
shadow:4px 4px 4px 4px rgb(214, 236, 244);  
box-shadow:4px 4px 4px 4px rgb(214, 236,  
244) }
```


Background

The CSS property to change the background color of an element to Yxy 80.8187, 0.2937, 0.3205 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(214, 236, 244) }
```

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

```
.background{ background-color: rgb(214,  
236, 244) }
```

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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