

Converting Colors

$Yxy(80.6177, 0.2937, 0.3194)$

Have a look what the booklet for
Yxy(80.6177, 0.2937, 0.3194)
contains.

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Color

Yxy(80.4563, 0.2937, 0.3184)

Conversions

Conversions Part 1

Format	Color
Hex	D7EBF5
RGB	215, 235, 245
RGB Percent	84%, 92%, 96%
CMY	0.1569, 0.0784, 0.0391
CMYK	0.12, 0.04, 0.00, 0.04
HSL	200°, 60%, 90%
HSV	200°, 12%, 96%
XYZ	74.2149, 80.4563, 98.0182
YIQ	230.1600, -15.1300, -1.1300

Conversions

Conversions Part 2

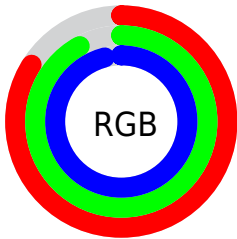
Format	Color
R _Y B	215, 227, 245
Decimal	14150645
CIE Lab	91.89, -4.62, -7.10
CIE LCh	92, 8.468, 236.940
Yxy	80.4563, 0.2937, 0.3184
Android (android.graphics.Color)	4292340725 (0xFFD7EBF5)
YUV	230.1600, 7.3161, -13.2953
Hunter-Lab	89.6974, -9.2812, -2.0018

Details

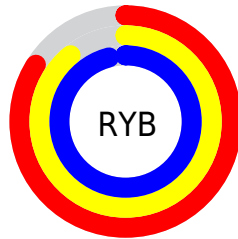
The Yxy color **80.4563, 0.2937, 0.3184** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **78.1779, 0.3336, 0.3394**, and the grayscale version is **79.2106, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **43.3879, 0.2892, 0.3153** is the 20% darker color. If you saturate the color by 10%, you get **72.4511, 0.2781, 0.3087**, and if you desaturate by 10%, it is **89.2387, 0.3092, 0.3272**.

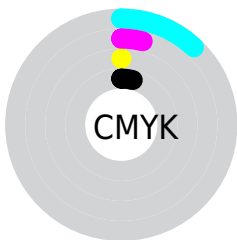
Distribution



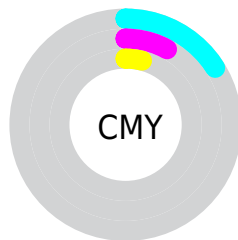
- Red (84%)
- Green (92%)
- Blue (96%)



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



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



- Cyan (16%)
- Magenta (8%)
- Yellow (4%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 80.4563, 0.2937, 0.3184 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 80.4563, 0.2937, 0.3184 by changing the saturation by 10% instead.

■ 80.4563, 0.2937,
0.3184

■ 80.4563, 0.2937,
0.3184

■ 496.4693, 0.3023,
0.3233

■ 60.0939, 0.2918,
0.3173

■ 134.0071, 0.2966,
0.3201

■ 43.4943, 0.2894,
0.3159

■ 167.9643, 0.2978,
0.3207

■ 30.2732, 0.2865,
0.3142

■ 207.2218, 0.2988,
0.3213

■ 20.0460, 0.2827,
0.3120

■ 252.1642, 0.2997,
0.3218

■ 12.4285, 0.2776,
0.3090

■ 303.1757, 0.3005,
0.3222

■ 7.0362, 0.2705,
0.3046

■ 360.6408, 0.3011,

■ 3.4848, 0.2599,

0.3226

0.2980

424.9438, 0.3017,
0.3230

■ 1.3897, 0.2421,
0.2865

■ 0.2091, 0.0844,
0.2052

■ 80.4563, 0.2937,
0.3184

■ 80.4563, 0.2937,
0.3184

■ 72.4511, 0.2781,
0.3087

■ 89.2387, 0.3092,
0.3272

■ 65.1856, 0.2628,
0.2982

■ 97.0670, 0.3187,
0.3351

■ 58.6337, 0.2481,
0.2869

■ 99.3737, 0.3185,
0.3386

■ 52.7637, 0.2345,
0.2748

■ 47.5410, 0.2222,
0.2623

■ 42.9271, 0.2116,
0.2494

■ 38.8778, 0.2030,
0.2365

■ 35.3408, 0.1966,
0.2237

■ 32.8924, 0.1928,
0.2140

Harmonies

Analogous

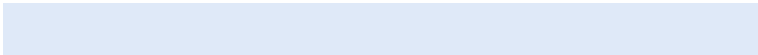
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



80.4563, 0.2955, 0.3265



80.4563, 0.2937, 0.3184



80.4563, 0.2969, 0.3133

Triad

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



80.4563, 0.2937, 0.3184



80.4563, 0.3236, 0.3226



80.4563, 0.3210, 0.3462

Complementary

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



80.4563, 0.2937, 0.3184



78.1779, 0.3336, 0.3394

Split Complementary

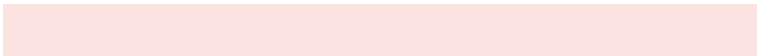
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



80.4563, 0.3287, 0.3448



80.4563, 0.2937, 0.3184



80.4563, 0.3303, 0.3311

Square

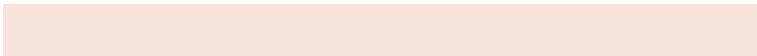
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



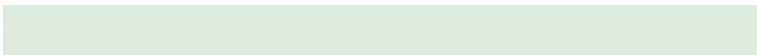
80.4563, 0.2937, 0.3184



80.4563, 0.3141, 0.3158



80.4563, 0.3321, 0.3392



80.4563, 0.3111, 0.3428

Rectangle

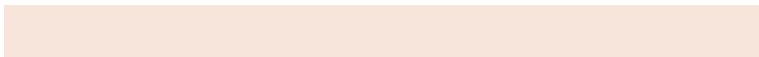
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



80.4563, 0.2937, 0.3184



80.4563, 0.3015, 0.3122



80.4563, 0.3321, 0.3392



80.4563, 0.3239, 0.3462

Sweetspot

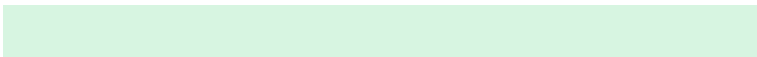
The Sweet Spot groups the original color and five complimentary colors.



80.4597, 0.2937, 0.3184



95.9650, 0.3065, 0.3257



85.1992, 0.3053, 0.3503



20.3814, 0.3054, 0.3250



0.0000, 0.0000, 0.0000



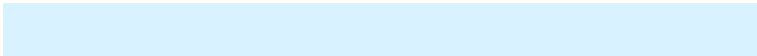
21.4041, 0.3127, 0.3290

Same Dimension

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



80.4597, 0.2937, 0.3184



85.5817, 0.2894, 0.3158



72.2265, 0.2933, 0.3022



17.7721, 0.2980, 0.3209



17.9819, 0.1934, 0.2160



1.7689, 0.1977, 0.2318

Inverse Universe

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



74.0132, 0.3209, 0.3086



77.1823, 0.3230, 0.3039



86.6511, 0.3317, 0.3544



16.6688, 0.3189, 0.3133



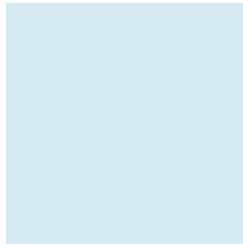
11.9147, 0.4275, 0.2129



1.0662, 0.4107, 0.2036

Previews

White Background



This preview shows how the Yxy color 80.4563, 0.2937, 0.3184 looks on a white background.

Color Contrast Check

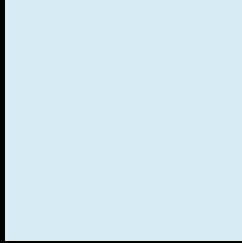
Large Text (above 18pt) WCAG AA × Fail

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 80.4563, 0.2937, 0.3184 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

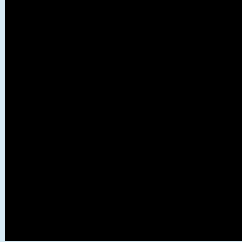
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

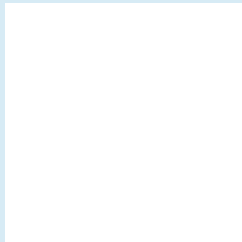
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 80.4563, 0.2937, 0.3184

Background



This preview shows how black text looks on a background with the Yxy color 80.4563, 0.2937, 0.3184.

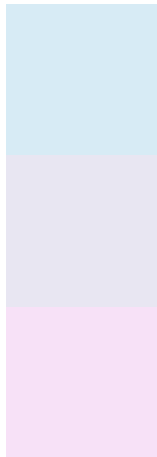


This preview shows how white text looks on a background with the Yxy color 80.4563, 0.2937, 0.3184.

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

80.4563, 0.2937, 0.3184

Protanopia

80.1602, 0.3065, 0.3167

Deuteranopia

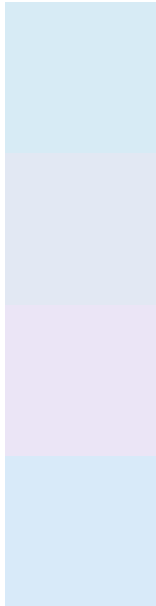
80.3400, 0.3137, 0.3071



Tritanopia

80.4728, 0.2903, 0.3102

Trichromacy



Original Color

80.4563, 0.2937, 0.3184

Protanomaly

80.3530, 0.3019, 0.3176

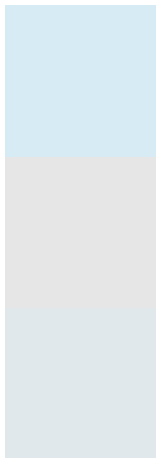
Deuteranomaly

80.3546, 0.3061, 0.3117

Tritanomaly

80.2841, 0.2920, 0.3132

Monochromacy



Original Color

80.4563, 0.2937, 0.3184

Achromatopsia

79.1298, 0.3127, 0.3290

Achromatomaly

79.7189, 0.3062, 0.3258

CSS Examples

Text

The CSS property to change the color of the text to Yxy 80.4563, 0.2937, 0.3184 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(215, 235, 245)` looks like.

```
.text, #text, p{  
    color:rgb(215, 235, 245)  
}
```

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(215, 235, 245) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(215, 235, 245) }
```

Border

The CSS property to change the border of an element to Yxy 80.4563, 0.2937, 0.3184 is called "border". The border property can be set on classes, ids or directly on the HTML element.

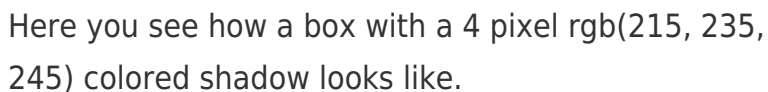
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(215, 235, 245) }
```

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

```
.border{ border-color:rgb(215, 235, 245) }
```

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



Here you see how a box with a 4 pixel `rgb(215, 235, 245)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(215, 235, 245); -webkit-box-shadow:4px 4px 4px 4px rgb(215, 235, 245); box-shadow:4px 4px 4px 4px rgb(215, 235, 245) }
```


Background

The CSS property to change the background color of an element to Yxy 80.4563, 0.2937, 0.3184 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(215, 235, 245) }
```

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

```
.background{ background-color: rgb(215,  
235, 245) }
```

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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