

Converting Colors

$Yxy(80.6813, 0.2961, 0.3213)$

Have a look what the booklet for
Yxy(80.6813, 0.2961, 0.3213)
contains.

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Color

Yxy(80.4867, 0.2955, 0.3205)

Conversions

Conversions Part 1

Format	Color
Hex	D8EBF3
RGB	216, 235, 243
RGB Percent	85%, 92%, 95%
CMY	0.1529, 0.0784, 0.0470
CMYK	0.11, 0.03, 0.00, 0.05
HSL	198°, 53%, 90%
HSV	198°, 11%, 95%
XYZ	74.2085, 80.4867, 96.4334
YIQ	230.2310, -13.8920, -1.5400

Conversions

Conversions Part 2

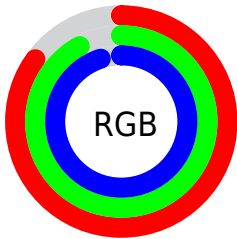
Format	Color
R _Y B	216, 227, 243
Decimal	14216179
CIE Lab	91.90, -4.69, -6.03
CIE LCh	92, 7.638, 232.105
Yxy	80.4867, 0.2955, 0.3205
Android (android.graphics.Color)	4292406259 (0xFFD8EBF3)
YUV	230.2310, 6.2951, -12.4806
Hunter-Lab	89.7144, -9.3514, -0.9303

Details

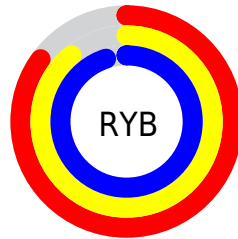
The Yxy color **80.4867, 0.2955, 0.3205** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **77.3424, 0.3316, 0.3374**, and the grayscale version is **79.2743, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **43.4051, 0.2915, 0.3180** is the 20% darker color. If you saturate the color by 10%, you get **73.0103, 0.2801, 0.3120**, and if you desaturate by 10%, it is **88.6848, 0.3110, 0.3282**.

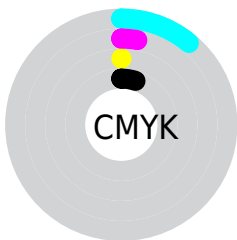
Distribution



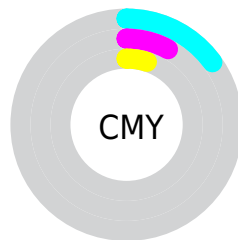
- Red (85%)
- Green (92%)
- Blue (95%)



- Red (85%)
- Yellow (89%)
- Blue (95%)



- Cyan (11%)
- Magenta (3%)
- Yellow (0%)
- Black (5%)



- Cyan (15%)
- Magenta (8%)
- Yellow (5%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 80.4867, 0.2955, 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 80.4867, 0.2955, 0.3205 by changing the saturation by 10% instead.

80.4867, 0.2955,
0.3205

80.4867, 0.2955,
0.3205

496.5715, 0.3033,
0.3244

60.1189, 0.2938,
0.3196

134.0498, 0.2982,
0.3219

43.5145, 0.2916,
0.3185

168.0139, 0.2992,
0.3224

30.2890, 0.2890,
0.3171

207.2789, 0.3001,
0.3228

20.0581, 0.2855,
0.3153

252.2293, 0.3009,
0.3232

12.4373, 0.2809,
0.3129

303.2493, 0.3016,
0.3236

7.0422, 0.2745,
0.3094

360.7234, 0.3022,

3.4885, 0.2647,

0.3239

0.3040

425.0360, 0.3028,
0.3242

■ 1.3918, 0.2485,
0.2945

■ 0.2107, 0.0905,
0.2224

■ 80.4867, 0.2955,
0.3205

■ 80.4867, 0.2955,
0.3205

■ 73.0103, 0.2801,
0.3120

■ 88.6848, 0.3110,
0.3282

■ 66.2196, 0.2650,
0.3028

■ 95.7499, 0.3201,
0.3352

■ 60.0903, 0.2505,
0.2928

■ 99.2523, 0.3197,
0.3405

■ 54.5924, 0.2372,
0.2823

■ 49.6932, 0.2252,
0.2713

■ 45.3564, 0.2150,
0.2600

■ 41.5406, 0.2068,
0.2486

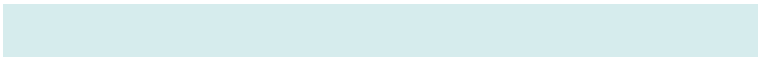
■ 38.1963, 0.2006,
0.2373

■ 35.5521, 0.1965,
0.2274

Harmonies

Analogous

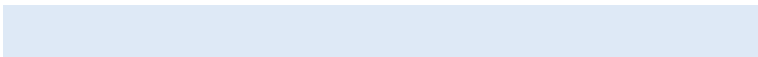
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



80.4867, 0.2978, 0.3281



80.4867, 0.2955, 0.3205



80.4867, 0.2977, 0.3153

Triad

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



80.4867, 0.2955, 0.3205



80.4867, 0.3213, 0.3221



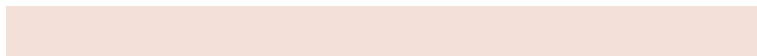
80.4867, 0.3215, 0.3446

Complementary

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



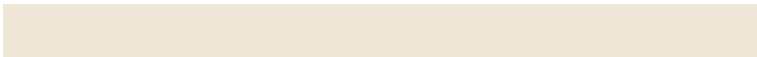
80.4867, 0.2955, 0.3205



77.3424, 0.3316, 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.



80.4867, 0.3279, 0.3427



80.4867, 0.2955, 0.3205



80.4867, 0.3278, 0.3296

Square

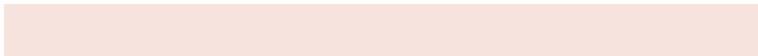
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



80.4867, 0.2955, 0.3205



80.4867, 0.3125, 0.3163



80.4867, 0.3303, 0.3372



80.4867, 0.3127, 0.3422

Rectangle

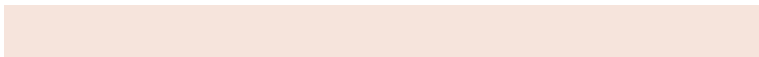
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



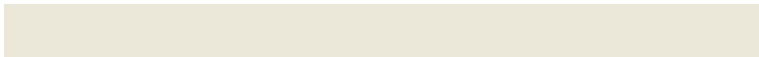
80.4867, 0.2955, 0.3205



80.4867, 0.3015, 0.3139



80.4867, 0.3303, 0.3372



80.4867, 0.3240, 0.3444

Sweetspot

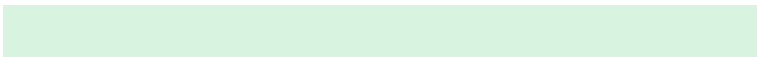
The Sweet Spot groups the original color and five complimentary colors.



80.4901, 0.2955, 0.3205



97.1374, 0.3081, 0.3268



84.0771, 0.3068, 0.3496



20.6303, 0.3068, 0.3262



0.0000, 0.0000, 0.0000



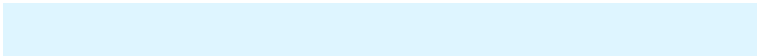
21.4041, 0.3127, 0.3290

Same Dimension

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



80.4901, 0.2955, 0.3205



88.1271, 0.2925, 0.3189



73.2410, 0.2953, 0.3064



17.8785, 0.2980, 0.3218



19.7546, 0.1970, 0.2292



1.9146, 0.2009, 0.2432

Inverse Universe

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



74.1724, 0.3194, 0.3096



80.0252, 0.3207, 0.3061



84.6823, 0.3300, 0.3507



16.6796, 0.3183, 0.3125



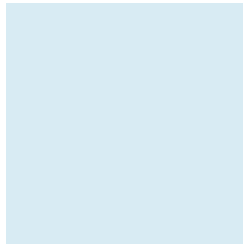
12.0936, 0.4135, 0.2051



1.0809, 0.3991, 0.1972

Previews

White Background



This preview shows how the Yxy color 80.4867, 0.2955, 0.3205 looks on a white background.

Color Contrast Check

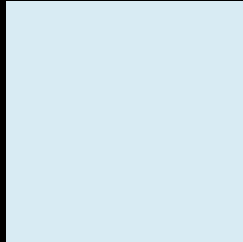
Large Text (above 18pt) WCAG AA × Fail

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 80.4867, 0.2955, 0.3205 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

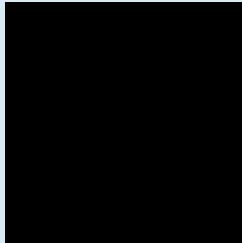
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

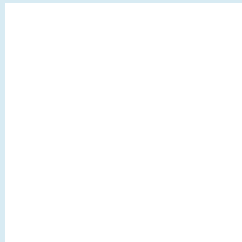
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 80.4867, 0.2955, 0.3205

Background



This preview shows how black text looks on a background with the Yxy color 80.4867, 0.2955, 0.3205.

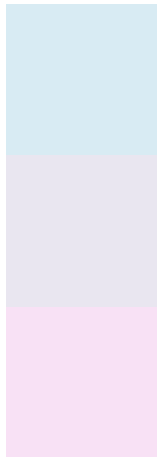


This preview shows how white text looks on a background with the Yxy color 80.4867, 0.2955, 0.3205.

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

80.4867, 0.2955, 0.3205

Protanopia

80.2085, 0.3085, 0.3187

Deuteranopia

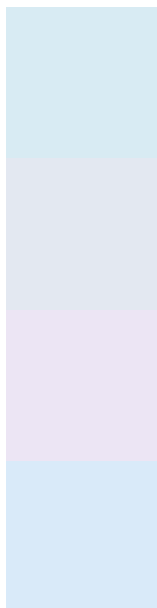
80.3995, 0.3157, 0.3091



Tritanopia

80.7793, 0.2915, 0.3102

Trichromacy



Original Color

80.4867, 0.2955, 0.3205

Protanomaly

80.3950, 0.3038, 0.3196

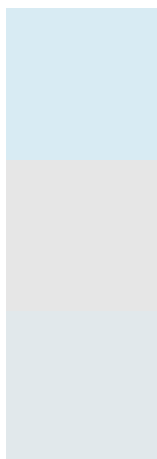
Deuteranomaly

80.4031, 0.3080, 0.3137

Tritanomaly

80.4369, 0.2926, 0.3133

Monochromacy



Original Color

80.4867, 0.2955, 0.3205

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 80.4867, 0.2955, 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(216, 235, 243)` looks like.

```
.text, #text, p{  
    color:rgb(216, 235, 243)  
}
```

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(216, 235, 243) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(216, 235, 243) }
```

Border

The CSS property to change the border of an element to Yxy 80.4867, 0.2955, 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(216, 235, 243) }
```

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

```
.border{ border-color:rgb(216, 235, 243) }
```

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

Here you see how a box with a 4 pixel `rgb(216, 235, 243)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(216, 235, 243); -webkit-box-shadow:4px 4px 4px 4px rgb(216, 235, 243); box-shadow:4px 4px 4px 4px rgb(216, 235, 243) }
```


Background

The CSS property to change the background color of an element to Yxy 80.4867, 0.2955, 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(216, 235, 243) }
```

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

```
.background{ background-color: rgb(216,  
235, 243) }
```

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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