

Converting Colors

$Yxy(80.7477, 0.2837, 0.3161)$

Have a look what the booklet for
Yxy(80.7477, 0.2837, 0.3161)
contains.

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Color

Yxy(80.7477, 0.2837, 0.3161)

Conversions

Conversions Part 1

Format	Color
Hex	CBEEFA
RGB	203, 238, 250
RGB Percent	80%, 93%, 98%
CMY	0.2037, 0.0667, 0.0195
CMYK	0.19, 0.05, 0.00, 0.02
HSL	195°, 83%, 89%
HSV	195°, 19%, 98%
XYZ	72.4711, 80.7477, 102.2310
YIQ	228.9030, -24.7120, -3.6880

Conversions

Conversions Part 2

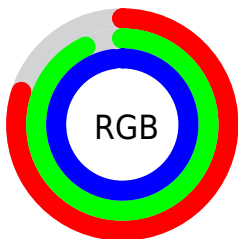
Format	Color
R_{YB}	203, 223, 250
Decimal	13364986
CIE _{Lab}	92.02, -8.82, -9.60
CIE _{LCh}	92, 13.034, 227.444
Yxy	80.7477, 0.2837, 0.3161
Android (android.graphics.Color)	4291555066 (0xFFCBEEFA)
YUV	228.9030, 10.4008, -22.7169
Hunter-Lab	89.8597, -13.2957, -4.5509

Details

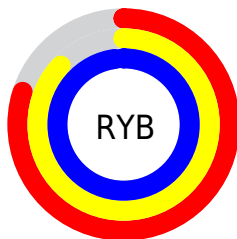
The Yxy color **80.7477, 0.2837, 0.3161** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **73.2882, 0.3474, 0.3415**, and the grayscale version is **78.2241, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **43.6468, 0.2768, 0.3123** is the 20% darker color. If you saturate the color by 10%, you get **73.8538, 0.2687, 0.3083**, and if you desaturate by 10%, it is **88.3471, 0.2991, 0.3233**.

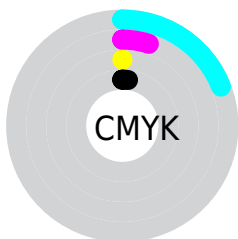
Distribution



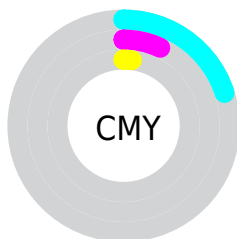
- Red (80%)
- Green (93%)
- Blue (98%)



- Red (80%)
- Yellow (87%)
- Blue (98%)



- Cyan (19%)
- Magenta (5%)
- Yellow (0%)
- Black (2%)



- Cyan (20%)
- Magenta (7%)
- Yellow (2%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 80.7477, 0.2837, 0.3161 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 80.7477, 0.2837, 0.3161 by changing the saturation by 10% instead.

80.7477, 0.2837,
0.3161

80.7477, 0.2837,
0.3161

497.4491, 0.2968,
0.3221

60.3338, 0.2808,
0.3147

134.4165, 0.2882,
0.3182

43.6878, 0.2773,
0.3130

168.4401, 0.2899,
0.3190

30.4251, 0.2728,
0.3109

207.7692, 0.2914,
0.3197

20.1615, 0.2672,
0.3081

252.7880, 0.2928,
0.3203

12.5125, 0.2597,
0.3042

303.8810, 0.2939,
0.3208

7.0937, 0.2492,
0.2987

361.4326, 0.2950,

3.5208, 0.2337,

0.3213

0.2902

425.8272, 0.2959,
0.3217

■ 1.4093, 0.2084,
0.2753

■ 0.2235, 0.0000,
0.1964

■ 80.7477, 0.2837,
0.3161

■ 80.7477, 0.2837,
0.3161

■ 73.8538, 0.2687,
0.3083

■ 88.3471, 0.2991,
0.3233

■ 67.6270, 0.2544,
0.2999

■ 96.6687, 0.3146,
0.3298

■ 62.0400, 0.2413,
0.2910

■ 99.6839, 0.3156,
0.3337

■ 57.0592, 0.2295,
0.2817

■ 52.6476, 0.2195,
0.2721

■ 48.7629, 0.2114,
0.2624

■ 45.3554, 0.2053,
0.2527

■ 42.3533, 0.2010,
0.2432

■ 42.0063, 0.2006,
0.2420

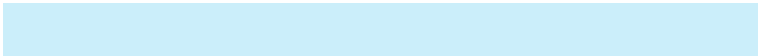
Harmonies

Analogous

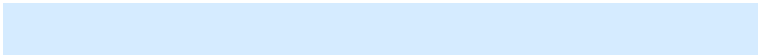
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



80.7477, 0.2887, 0.3295



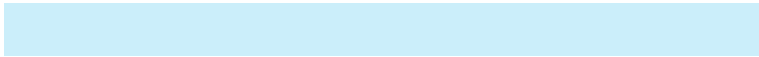
80.7477, 0.2837, 0.3161



80.7477, 0.2862, 0.3067

Triad

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



80.7477, 0.2837, 0.3161



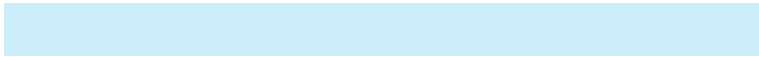
80.7477, 0.3251, 0.3155



80.7477, 0.3296, 0.3557

Complementary

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



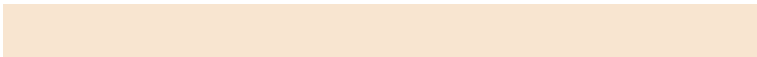
80.7477, 0.2837, 0.3161



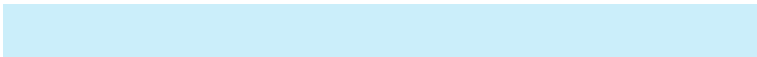
73.2882, 0.3474, 0.3415

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.



80.7477, 0.3398, 0.3511



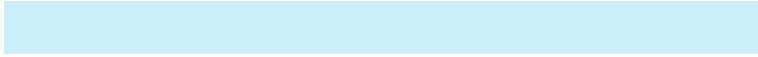
80.7477, 0.2837, 0.3161



80.7477, 0.3372, 0.3278

Square

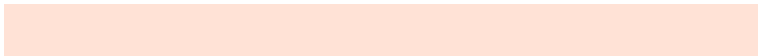
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



80.7477, 0.2837, 0.3161



80.7477, 0.3098, 0.3066



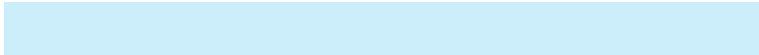
80.7477, 0.3426, 0.3408



80.7477, 0.3150, 0.3528

Rectangle

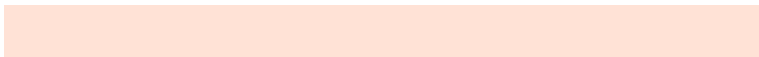
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



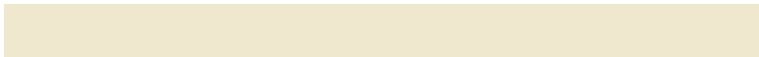
80.7477, 0.2837, 0.3161



80.7477, 0.2918, 0.3037



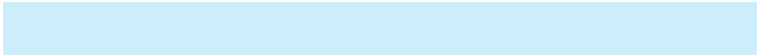
80.7477, 0.3426, 0.3408



80.7477, 0.3337, 0.3549

Sweetspot

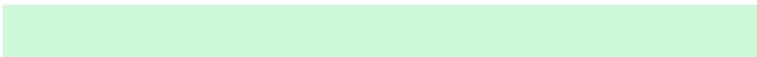
The Sweet Spot groups the original color and five complimentary colors.



80.7510, 0.2837, 0.3161



94.7369, 0.3034, 0.3251



85.9881, 0.3037, 0.3674



20.1586, 0.3024, 0.3247



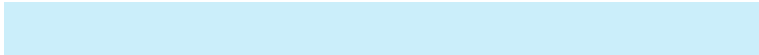
0.0000, 0.0000, 0.0000



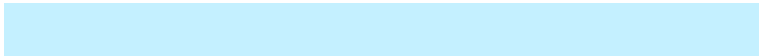
21.4041, 0.3127, 0.3290

Same Dimension

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



80.7510, 0.2837, 0.3161



81.3065, 0.2773, 0.3129



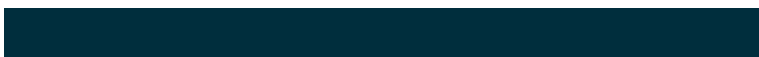
68.1030, 0.2822, 0.2906



18.8114, 0.2980, 0.3228



22.5195, 0.2010, 0.2436



2.2557, 0.2042, 0.2550

Inverse Universe

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



69.2366, 0.3234, 0.2938



67.1875, 0.3263, 0.2855



85.9578, 0.3431, 0.3647



17.4441, 0.3177, 0.3115



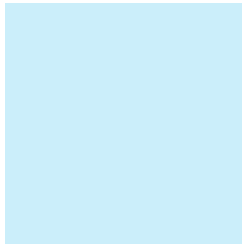
12.6843, 0.3986, 0.1970



1.1919, 0.3873, 0.1907

Previews

White Background



This preview shows how the Yxy color 80.7477, 0.2837, 0.3161 looks on a white background.

Color Contrast Check

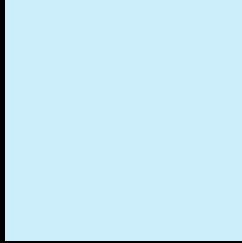
Large Text (above 18pt) WCAG AA × Fail

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 80.7477, 0.2837, 0.3161 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

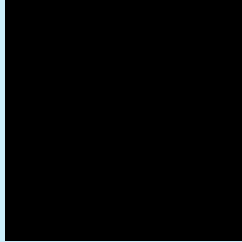
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 80.7477, 0.2837, 0.3161

Background



This preview shows how black text looks on a background with the Yxy color 80.7477, 0.2837, 0.3161.

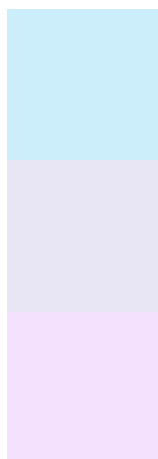


This preview shows how white text looks on a background with the Yxy color 80.7477, 0.2837, 0.3161.

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

80.7477, 0.2837, 0.3161

Protanopia

80.3420, 0.3047, 0.3136

Deuteranopia

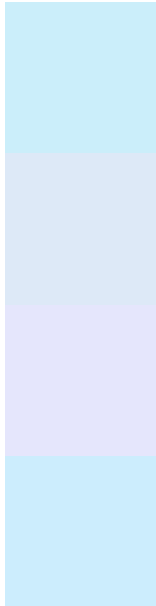
80.1754, 0.3079, 0.3012



Tritanopia

80.7675, 0.2821, 0.3099

Trichromacy



Original Color

80.7477, 0.2837, 0.3161

Protanomaly

80.3654, 0.2963, 0.3144

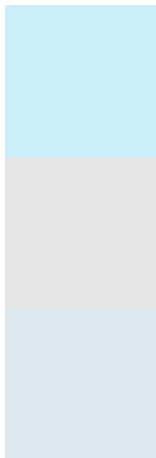
Deuteranomaly

80.2799, 0.2985, 0.3065

Tritanomaly

80.4976, 0.2826, 0.3120

Monochromacy



Original Color

80.7477, 0.2837, 0.3161

Achromatopsia

78.3538, 0.3127, 0.3290

Achromatomaly

79.0433, 0.3016, 0.3237

CSS Examples

Text

The CSS property to change the color of the text to Yxy 80.7477, 0.2837, 0.3161 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(203, 238, 250)` looks like.

```
.text, #text, p{  
    color:rgb(203, 238, 250)  
}
```

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(203, 238, 250) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(203, 238, 250) }
```

Border

The CSS property to change the border of an element to Yxy 80.7477, 0.2837, 0.3161 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(203, 238, 250) }
```

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

```
.border{ border-color:rgb(203, 238, 250) }
```

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

Here you see how a box with a 4 pixel `rgb(203, 238, 250)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(203, 238, 250); -webkit-box-  
shadow:4px 4px 4px 4px rgb(203, 238, 250);  
box-shadow:4px 4px 4px 4px rgb(203, 238,  
250) }
```


Background

The CSS property to change the background color of an element to Yxy 80.7477, 0.2837, 0.3161 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(203, 238, 250) }
```

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

```
.background{ background-color: rgb(203,  
238, 250) }
```

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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