

Converting Colors

$Y_{xy}(80.7590, 0.2967, 0.3420)$

Have a look what the booklet for
Yxy(80.7590, 0.2967, 0.3420)
contains.

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Color

Yxy(80.7590, 0.2967, 0.3420)

Conversions

Conversions Part 1

Format	Color
Hex	CCF0E4
RGB	204, 240, 228
RGB Percent	80%, 94%, 89%
CMY	0.2001, 0.0588, 0.1058
CMYK	0.15, 0.00, 0.05, 0.06
HSL	160°, 55%, 87%
HSV	160°, 15%, 94%
XYZ	70.0620, 80.7590, 85.3165
YIQ	227.8680, -17.6040, -11.3640

Conversions

Conversions Part 2

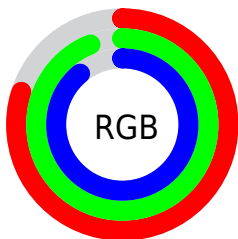
Format	Color
R_{YB}	204, 226, 240
Decimal	13431012
CIE _{Lab}	92.02, -13.96, 1.87
CIE _{LCh}	92, 14.080, 172.385
Yxy	80.7590, 0.2967, 0.3420
Android (android.graphics.Color)	4291621092 (0xFFCCCF0E4)
YUV	227.8680, 0.0651, -20.9322
Hunter-Lab	89.8660, -18.1021, 6.6178

Details

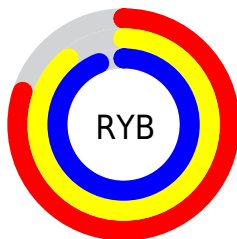
The Yxy color **80.7590, 0.2967, 0.3420** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **66.6526, 0.3318, 0.3164**, and the grayscale version is **77.4900, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **43.6877, 0.2925, 0.3446** is the 20% darker color. If you saturate the color by 10%, you get **77.1959, 0.2867, 0.3518**, and if you desaturate by 10%, it is **84.8718, 0.3073, 0.3331**.

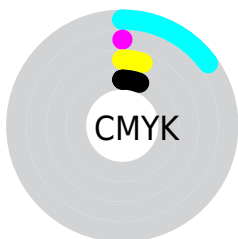
Distribution



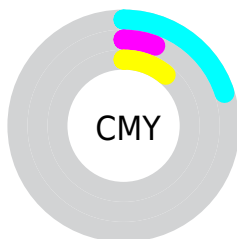
- Red (80%)
- Green (94%)
- Blue (89%)



- Red (80%)
- Yellow (89%)
- Blue (94%)



- Cyan (15%)
- Magenta (0%)
- Yellow (5%)
- Black (6%)



- Cyan (20%)
- Magenta (6%)
- Yellow (11%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 80.7590, 0.2967, 0.3420 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 80.7590, 0.2967, 0.3420 by changing the saturation by 10% instead.

80.7590, 0.2967,
0.3420

80.7590, 0.2967,
0.3420

497.4870, 0.3040,
0.3361

60.3431, 0.2951,
0.3433

134.4323, 0.2992,
0.3399

43.6953, 0.2930,
0.3450

168.4586, 0.3002,
0.3391

30.4310, 0.2905,
0.3471

207.7904, 0.3010,
0.3385

20.1660, 0.2872,
0.3498

252.8122, 0.3018,
0.3379

12.5157, 0.2828,
0.3535

303.9084, 0.3024,
0.3373

7.0959, 0.2765,
0.3587

361.4633, 0.3030,

3.5222, 0.2669,

0.3369

0.3668

425.8614, 0.3035,
0.3364

■ 1.4100, 0.2505,
0.3809

■ 0.2241, 0.0000,
0.6637

■ 80.7590, 0.2967,
0.3420

■ 80.7590, 0.2967,
0.3420

■ 77.1959, 0.2867,
0.3518

■ 84.8718, 0.3073,
0.3331

■ 74.1483, 0.2775,
0.3625

■ 89.5469, 0.3182,
0.3251

■ 71.5936, 0.2694,
0.3739

■ 90.6121, 0.3152,
0.3175

■ 69.5035, 0.2628,
0.3860

■ 90.8063, 0.3134,
0.3146

■ 67.8468, 0.2580,
0.3986

■ 66.5882, 0.2551,
0.4115

■ 65.6869, 0.2543,
0.4244

■ 65.0926, 0.2554,
0.4371

■ 64.8731, 0.2565,
0.4434

Harmonies

Analogous

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



80.7590, 0.3124, 0.3535



80.7590, 0.2967, 0.3420



80.7590, 0.2854, 0.3270

Triad

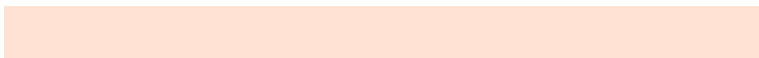
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



80.7590, 0.2967, 0.3420



80.7590, 0.2965, 0.3015



80.7590, 0.3452, 0.3438

Complementary

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



80.7590, 0.2967, 0.3420



66.6526, 0.3318, 0.3164

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.



80.7590, 0.3408, 0.3300



80.7590, 0.2967, 0.3420



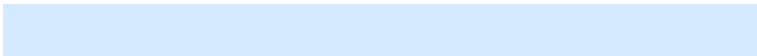
80.7590, 0.3123, 0.3061

Square

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



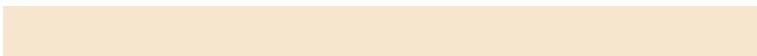
80.7590, 0.2967, 0.3420



80.7590, 0.2853, 0.3038



80.7590, 0.3286, 0.3164



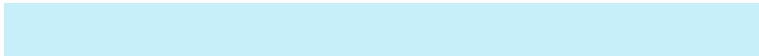
80.7590, 0.3406, 0.3541

Rectangle

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



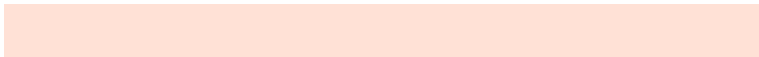
80.7590, 0.2967, 0.3420



80.7590, 0.2818, 0.3172



80.7590, 0.3286, 0.3164



80.7590, 0.3447, 0.3394

Sweetspot

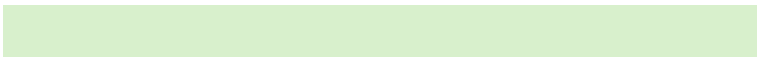
The Sweet Spot groups the original color and five complimentary colors.



80.7624, 0.2967, 0.3420



97.3916, 0.3073, 0.3331



81.2806, 0.3188, 0.3682



20.7702, 0.3065, 0.3337



0.0000, 0.0000, 0.0000



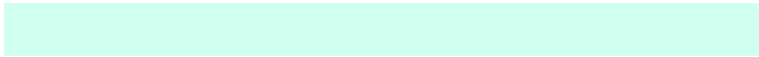
21.4041, 0.3127, 0.3290

Same Dimension

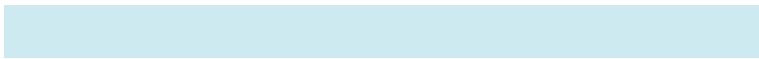
The Same Dimension uses a secret algorithm to generate beautiful new colors.



80.7624, 0.2967, 0.3420



91.3661, 0.2936, 0.3449



77.9722, 0.2897, 0.3224



17.8344, 0.3025, 0.3370



35.5347, 0.2559, 0.4413



2.9745, 0.2513, 0.4247

Inverse Universe

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



66.6526, 0.3318, 0.3164



72.3111, 0.3365, 0.3137



68.9660, 0.3399, 0.3355



15.8455, 0.3241, 0.3212



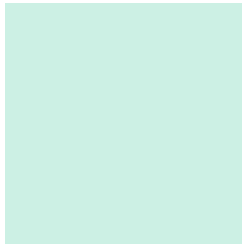
10.4781, 0.5643, 0.2883



0.8894, 0.5274, 0.2679

Previews

White Background



This preview shows how the Yxy color 80.7590, 0.2967, 0.3420 looks on a white background.

Color Contrast Check

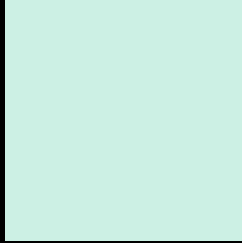
Large Text (above 18pt) WCAG AA × Fail

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 80.7590, 0.2967, 0.3420 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

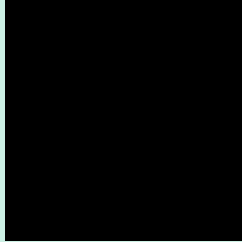
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

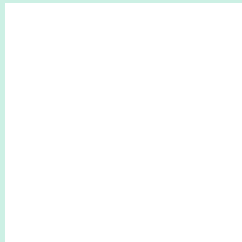
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 80.7590, 0.2967, 0.3420

Background



This preview shows how black text looks on a background with the Yxy color 80.7590, 0.2967, 0.3420.

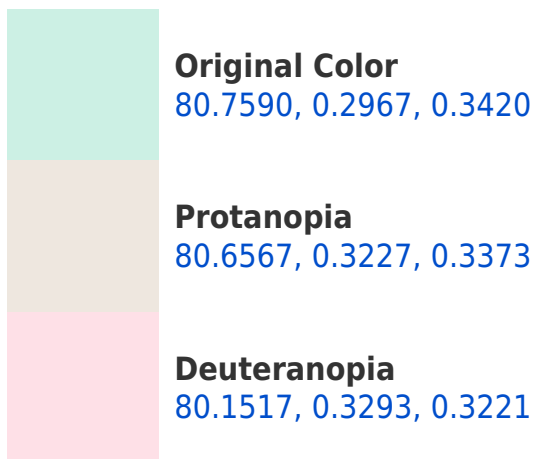


This preview shows how white text looks on a background with the Yxy color 80.7590, 0.2967, 0.3420.

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

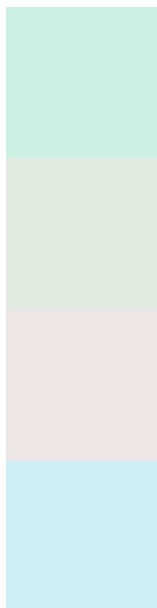




Tritanopia

80.7662, 0.2844, 0.3090

Trichromacy



Original Color

80.7590, 0.2967, 0.3420

Protanomaly

80.4506, 0.3129, 0.3385

Deuteranomaly

80.1397, 0.3168, 0.3290

Tritanomaly

80.4263, 0.2888, 0.3204

Monochromacy



Original Color

80.7590, 0.2967, 0.3420

Achromatopsia

77.5822, 0.3127, 0.3290

Achromatomaly

78.3747, 0.3065, 0.3333

CSS Examples

Text

The CSS property to change the color of the text to Yxy 80.7590, 0.2967, 0.3420 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(204, 240, 228)` looks like.

```
.text, #text, p{  
    color:rgb(204, 240, 228)  
}
```

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(204, 240, 228) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(204, 240, 228) }
```

Border

The CSS property to change the border of an element to Yxy 80.7590, 0.2967, 0.3420 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(204, 240, 228) }
```

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

```
.border{ border-color:rgb(204, 240, 228) }
```

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

Here you see how a box with a 4 pixel `rgb(204, 240, 228)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(204, 240, 228); -webkit-box-  
shadow:4px 4px 4px 4px rgb(204, 240, 228);  
box-shadow:4px 4px 4px 4px rgb(204, 240,  
228) }
```


Background

The CSS property to change the background color of an element to Yxy 80.7590, 0.2967, 0.3420 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(204, 240, 228) }
```

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

```
.background{ background-color: rgb(204,  
240, 228) }
```

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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