

Converting Colors

$Yxy(80.5771, 0.2966, 0.3437)$

Have a look what the booklet for
Yxy(80.5771, 0.2966, 0.3437)
contains.

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Color

Yxy(80.5627, 0.2967, 0.3432)

Conversions

Conversions Part 1

Format	Color
Hex	CBF0E3
RGB	203, 240, 227
RGB Percent	80%, 94%, 89%
CMY	0.2040, 0.0588, 0.1099
CMYK	0.15, 0.00, 0.05, 0.06
HSL	159°, 55%, 87%
HSV	159°, 15%, 94%
XYZ	69.6473, 80.5627, 84.5298
YIQ	227.4550, -17.8790, -11.8870

Conversions

Conversions Part 2

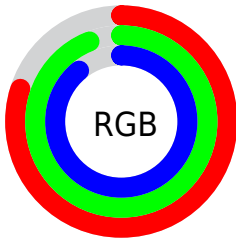
Format	Color
R _Y B	203, 225, 240
Decimal	13365475
CIE Lab	91.94, -14.47, 2.28
CIE LCh	92, 14.650, 171.034
Yxy	80.5627, 0.2967, 0.3432
Android (android.graphics.Color)	4291555555 (0xFFC0E3)
YUV	227.4550, -0.2243, -21.4470
Hunter-Lab	89.7567, -18.5661, 6.9924

Details

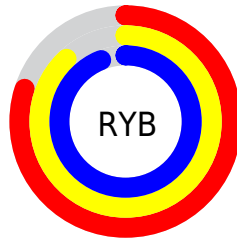
The Yxy color $80.5627, 0.2967, 0.3432$ is a light color, and the websafe version is hex `CCFFFF`. A complement of this color would be $66.1923, 0.3319, 0.3152$, and the grayscale version is $77.1748, 0.3127, 0.3290$.

A 20% lighter version of the original color is $100.0000, 0.3127, 0.3290$, and $43.6491, 0.2932, 0.3460$ is the 20% darker color. If you saturate the color by 10%, you get $76.9980, 0.2869, 0.3536$, and if you desaturate by 10%, it is $84.6786, 0.3070, 0.3337$.

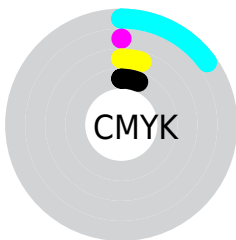
Distribution



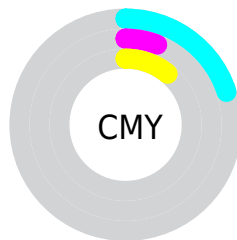
- Red (80%)
- Green (94%)
- Blue (89%)



- Red (80%)
- Yellow (88%)
- 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 80.5627, 0.2967, 0.3432 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 80.5627, 0.2967, 0.3432 by changing the saturation by 10% instead.

 80.5627, 0.2967,
0.3432

 80.5627, 0.2967,
0.3432

496.8272, 0.3040,
0.3367

 60.1815, 0.2951,
0.3447


134.1566, 0.2992,
0.3410

 43.5650, 0.2930,
0.3465


168.1380, 0.3002,
0.3401

 30.3286, 0.2905,
0.3488


207.4217, 0.3011,
0.3393

 20.0882, 0.2872,
0.3518

252.3920, 0.3018,
0.3387

 12.4591, 0.2827,
0.3558

303.4333, 0.3024,
0.3381

 7.0572, 0.2764,
0.3616


360.9300, 0.3030,


 3.4979, 0.2667,


0.3376


425.2665, 0.3035,
0.3371


0.3706


 1.3969, 0.2501,
0.3863


 0.2144, 0.0000,
0.7439


 80.5627, 0.2967,
0.3432

 80.5627, 0.2967,
0.3432


 76.9980, 0.2869,
0.3536


 84.6786, 0.3070,
0.3337


 73.9503, 0.2780,
0.3650

 89.3585, 0.3176,
0.3252

 71.3967, 0.2702,
0.3773

 90.6363, 0.3150,
0.3171

 69.3089, 0.2639,
0.3902

 90.8070, 0.3134,
0.3146

■ 67.6553, 0.2593,
0.4036

■ 66.4006, 0.2566,
0.4174

■ 65.5034, 0.2560,
0.4311

■ 64.9130, 0.2574,
0.4446

■ 64.7095, 0.2585,
0.4507

Harmonies

Analogous

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



80.5627, 0.3132, 0.3549



80.5627, 0.2967, 0.3432



80.5627, 0.2847, 0.3276

Triad

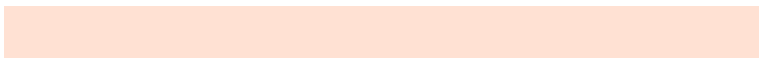
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



80.5627, 0.2967, 0.3432



80.5627, 0.2952, 0.3003



80.5627, 0.3465, 0.3438

Complementary

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



80.5627, 0.2967, 0.3432



66.1923, 0.3319, 0.3152

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.



80.5627, 0.3415, 0.3294



80.5627, 0.2967, 0.3432



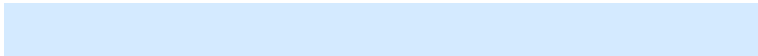
80.5627, 0.3115, 0.3048

Square

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



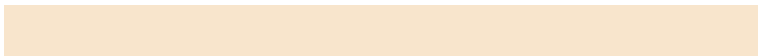
80.5627, 0.2967, 0.3432



80.5627, 0.2838, 0.3031



80.5627, 0.3286, 0.3153



80.5627, 0.3422, 0.3548

Rectangle

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



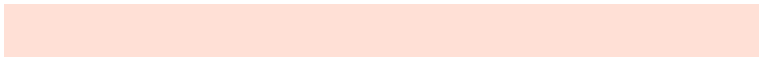
80.5627, 0.2967, 0.3432



80.5627, 0.2807, 0.3174



80.5627, 0.3286, 0.3153



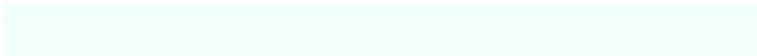
80.5627, 0.3459, 0.3392

Sweetspot

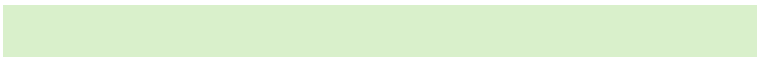
The Sweet Spot groups the original color and five complimentary colors.



80.5661, 0.2967, 0.3432



97.3756, 0.3074, 0.3334



81.3229, 0.3198, 0.3693



20.7663, 0.3067, 0.3340



0.0000, 0.0000, 0.0000



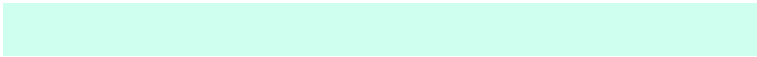
21.4041, 0.3127, 0.3290

Same Dimension

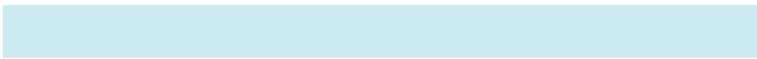
The Same Dimension uses a secret algorithm to generate beautiful new colors.



80.5661, 0.2967, 0.3432



90.8899, 0.2931, 0.3469



78.4462, 0.2891, 0.3236



17.8289, 0.3028, 0.3374



35.4453, 0.2579, 0.4485



2.9675, 0.2530, 0.4309

Inverse Universe

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



66.1923, 0.3319, 0.3152



71.0289, 0.3374, 0.3118



67.9129, 0.3410, 0.3344



15.8508, 0.3238, 0.3207



10.5188, 0.5567, 0.2841



0.8933, 0.5202, 0.2640

Previews

White Background



This preview shows how the Yxy color 80.5627, 0.2967, 0.3432 looks on a white background.

Color Contrast Check

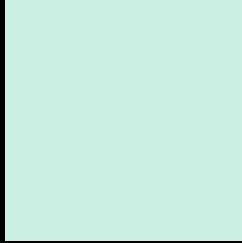
Large Text (above 18pt) WCAG AA × Fail

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 80.5627, 0.2967, 0.3432 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

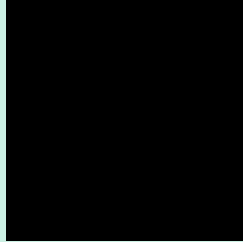
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

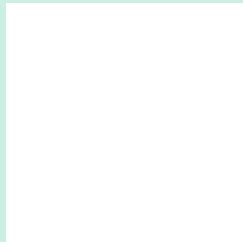
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 80.5627, 0.2967, 0.3432

Background



This preview shows how black text looks on a background with the Yxy color 80.5627, 0.2967, 0.3432.

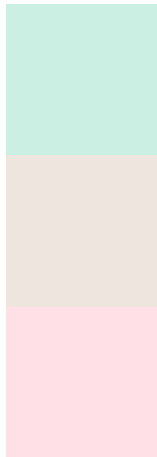


This preview shows how white text looks on a background with the Yxy color 80.5627, 0.2967, 0.3432.

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

80.5627, 0.2967, 0.3432

Protanopia

80.0447, 0.3234, 0.3373

Deuteranopia

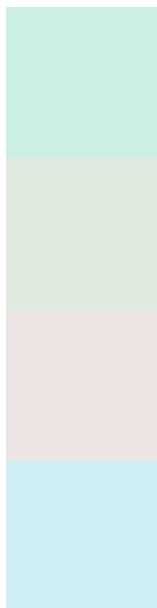
80.0953, 0.3300, 0.3231



Tritanopia

80.6208, 0.2838, 0.3090

Trichromacy



Original Color

80.5627, 0.2967, 0.3432

Protanomaly

80.2350, 0.3129, 0.3396

Deuteranomaly

79.9129, 0.3168, 0.3300

Tritanomaly

80.2828, 0.2882, 0.3204

Monochromacy



Original Color

80.5627, 0.2967, 0.3432

Achromatopsia

76.8151, 0.3127, 0.3290

Achromatomaly

78.1647, 0.3064, 0.3343

CSS Examples

Text

The CSS property to change the color of the text to Yxy 80.5627, 0.2967, 0.3432 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, 240, 227)` looks like.

```
.text, #text, p{  
    color:rgb(203, 240, 227)  
}
```

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, 240, 227) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(203, 240, 227) }
```

Border

The CSS property to change the border of an element to Yxy 80.5627, 0.2967, 0.3432 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, 240, 227) }
```

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

```
.border{ border-color:rgb(203, 240, 227) }
```

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

Here you see how a box with a 4 pixel `rgb(203, 240, 227)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(203, 240, 227); -webkit-box-  
shadow:4px 4px 4px 4px rgb(203, 240, 227);  
box-shadow:4px 4px 4px 4px rgb(203, 240,  
227) }
```


Background

The CSS property to change the background color of an element to Yxy 80.5627, 0.2967, 0.3432 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(203, 240, 227) }
```

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

```
.background{ background-color: rgb(203,  
240, 227) }
```

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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