

Converting Colors

$Yxy(80.7221, 0.2414, 0.3352)$

Have a look what the booklet for
Yxy(80.7221, 0.2414, 0.3352)
contains.

| | |
|--|----|
| Yxy(80.6067, 0.2414, 0.3347) | 3 |
| <i>Conversions</i> | 4 |
| <i>Details</i> | 6 |
| <i>Harmonies</i> | 12 |
| <i>Previews</i> | 24 |
| <i>Color Blindness Simulation</i> | 27 |
| <i>CSS Examples</i> | 30 |

Color

Yxy(80.6067, 0.2414, 0.3347)

Conversions

Conversions Part 1

| Format | Color |
|-------------|------------------------------|
| Hex | 67FEF9 |
| RGB | 103, 254, 249 |
| RGB Percent | 40%, 100%, 98% |
| CMY | 0.5957, 0.0039, 0.0237 |
| CMYK | 0.59, 0.00, 0.02, 0.00 |
| HSL | 178°, 99%, 70% |
| HSV | 178°, 59%, 100% |
| XYZ | 58.1370, 80.6067, 102.0890 |
| YIQ | 208.2810, -88.3910, -33.5670 |

Conversions

Conversions Part 2

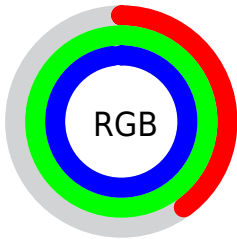
| Format | Color |
|-------------------------------------|---|
| RYB | 103, 180, 254 |
| Decimal | 6815481 |
| CIELab | 91.96, -40.90, -9.62 |
| CIELCh | 92, 42.013, 193.235 |
| Yxy | 80.6067, 0.2414, 0.3347 |
| Android (android.graphics.Color) | 4285005561 (0xFF67FEF9) |
| YUV | 208.2810, 20.0745, -92.3314 |
| Hunter-Lab | 89.7812, -41.5311, -4.5710 |

Details

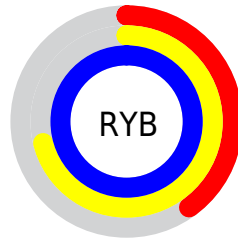
The Yxy color **80.6067, 0.2414, 0.3347** is a light color, and the websafe version is hex **66FFFF**. A complement of this color would be **31.8746, 0.4936, 0.3248**, and the grayscale version is **63.1940, 0.3127, 0.3290**.

A 20% lighter version of the original color is **87.0648, 0.2642, 0.3289**, and **43.7828, 0.2264, 0.3349** is the 20% darker color. If you saturate the color by 10%, you get **79.2748, 0.2352, 0.3358**, and if you desaturate by 10%, it is **82.4012, 0.2496, 0.3336**.

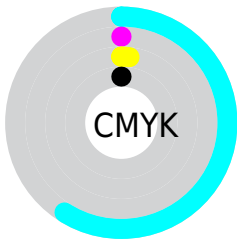
Distribution



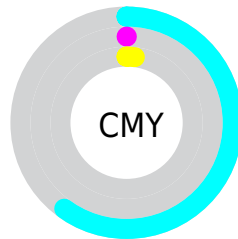
- Red (40%)
- Green (100%)
- Blue (98%)



- Red (40%)
- Yellow (71%)
- Blue (100%)



- Cyan (59%)
- Magenta (0%)
- Yellow (2%)
- Black (0%)




- Cyan (60%)
- Magenta (0%)
- Yellow (2%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 80.6067, 0.2414, 0.3347 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 80.6067, 0.2414, 0.3347 by changing the saturation by 10% instead.


 80.6067, 0.2414,
0.3347


 80.6067, 0.2414,
0.3347


496.9751, 0.2731,
0.3329

 60.2177, 0.2345,
0.3349


 134.2184, 0.2521,
0.3342

 43.5942, 0.2261,
0.3351

 168.2099, 0.2564,
0.3340

 30.3516, 0.2158,
0.3352


 207.5044, 0.2601,
0.3338

 20.1056, 0.2028,
0.3350

252.4862, 0.2633,
0.3336

 12.4718, 0.1859,
0.3344

303.5398, 0.2662,
0.3334

 7.0659, 0.1632,
0.3327

361.0496, 0.2687,

 3.5033, 0.1317,

0.3332

425.3999, 0.2710,
0.3331

0.3285

1.3998, 0.0605,
0.3263

0.2166, 0.0000,
0.1925

80.6067, 0.2414,
0.3347

80.6067, 0.2414,
0.3347

79.2748, 0.2352,
0.3358

82.4012, 0.2496,
0.3336

78.3534, 0.2309,
0.3369

84.6863, 0.2596,
0.3326

77.7949, 0.2285,
0.3380

87.4988, 0.2713,
0.3316

77.5210, 0.2276,
0.3391

90.8693, 0.2844,
0.3306

■ 77.5083, 0.2275,
0.3391

■ 94.8261, 0.2986,
0.3298

99.3022, 0.3133,
0.3290

99.3566, 0.3128,
0.3282

99.3633, 0.3128,
0.3281

Harmonies

Analogous

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



80.6067, 0.2772, 0.3825



80.6067, 0.2414, 0.3347



80.6067, 0.2246, 0.2898

Triad

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



80.6067, 0.2414, 0.3347



80.6067, 0.2950, 0.2593



80.6067, 0.4024, 0.3920

Complementary

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



80.6067, 0.2414, 0.3347



31.8746, 0.4936, 0.3248

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.



80.6067, 0.4097, 0.3561



80.6067, 0.2414, 0.3347



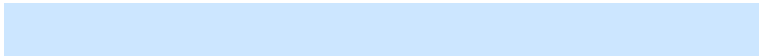
80.6067, 0.3449, 0.2829

Square

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



80.6067, 0.2414, 0.3347



80.6067, 0.2535, 0.2509



80.6067, 0.3882, 0.3172



80.6067, 0.3704, 0.4149

Rectangle

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



80.6067, 0.2414, 0.3347



80.6067, 0.2251, 0.2682



80.6067, 0.3882, 0.3172



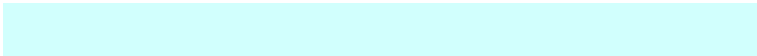
80.6067, 0.4080, 0.3809

Sweetspot

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



80.6098, 0.2414, 0.3347



92.2117, 0.2863, 0.3305



75.2204, 0.3070, 0.5200



19.5073, 0.2823, 0.3308



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.



80.6098, 0.2414, 0.3347



79.8111, 0.2344, 0.3360



45.2007, 0.2201, 0.2422



20.4704, 0.2985, 0.3298



40.8682, 0.2275, 0.3390



3.9823, 0.2272, 0.3377

Inverse Universe

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



31.8746, 0.4936, 0.3248



26.7299, 0.5489, 0.3251



51.1776, 0.4496, 0.3975



17.9969, 0.3289, 0.3283



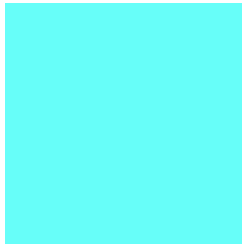
11.1228, 0.6367, 0.3281



1.0863, 0.6287, 0.3237

Previews

White Background



This preview shows how the Yxy color 80.6067, 0.2414, 0.3347 looks on a white background.

Color Contrast Check

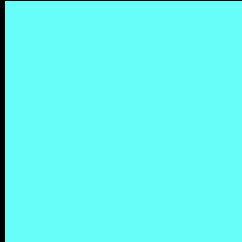
Large Text (above 18pt) WCAG AA × Fail

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 80.6067, 0.2414, 0.3347 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

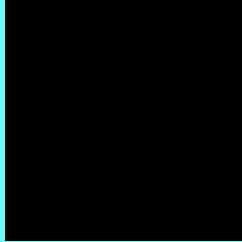
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 80.6067, 0.2414, 0.3347

Background



This preview shows how black text looks on a background with the Yxy color 80.6067, 0.2414, 0.3347.

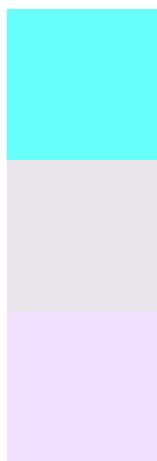


This preview shows how white text looks on a background with the Yxy color 80.6067, 0.2414, 0.3347.

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

80.6067, 0.2414, 0.3347

Protanopia

79.3028, 0.3123, 0.3238

Deuteranopia

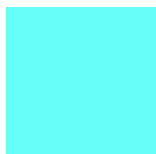
79.2321, 0.3046, 0.2980



Tritanopia

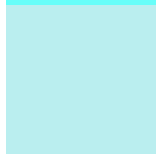
79.6085, 0.2649, 0.3146

Trichromacy



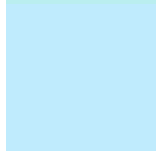
Original Color

80.6067, 0.2414, 0.3347



Protanomaly

77.8202, 0.2797, 0.3278



Deuteranomaly

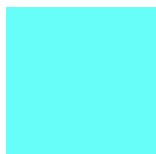
77.5849, 0.2748, 0.3094



Tritanomaly

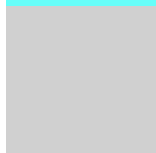
79.2993, 0.2545, 0.3209

Monochromacy



Original Color

80.6067, 0.2414, 0.3347



Achromatopsia

63.0757, 0.3127, 0.3290



Achromatomaly

67.7242, 0.2779, 0.3313

CSS Examples

Text

The CSS property to change the color of the text to Yxy 80.6067, 0.2414, 0.3347 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(103, 254, 249)` looks like.

```
.text, #text, p{  
    color:rgb(103, 254, 249)  
}
```

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(103, 254, 249) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(103, 254, 249) }
```

Border

The CSS property to change the border of an element to Yxy 80.6067, 0.2414, 0.3347 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(103, 254, 249) }
```

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

```
.border{ border-color:rgb(103, 254, 249) }
```

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

Here you see how a box with a 4 pixel `rgb(103, 254, 249)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(103, 254, 249); -webkit-box-  
shadow:4px 4px 4px 4px rgb(103, 254, 249);  
box-shadow:4px 4px 4px 4px rgb(103, 254,  
249) }
```


Background

The CSS property to change the background color of an element to Yxy 80.6067, 0.2414, 0.3347 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(103, 254, 249) }
```

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

```
.background{ background-color: rgb(103,  
254, 249) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor