

Converting Colors

$Y_{xy}(103.5198, 0.2580, 0.3775)$

Have a look what the booklet for
Yxy(103.5198, 0.2580, 0.3775)
contains.

Yxy(82.2159, 0.2514, 0.3440)	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(82.2159, 0.2514, 0.3440)

Conversions

Conversions Part 1

Format	Color
Hex	7CFFF2
RGB	124, 255, 242
RGB Percent	49%, 100%, 95%
CMY	0.5142, 0.0000, 0.0510
CMYK	0.51, 0.00, 0.05, 0.00
HSL	174°, 100%, 74%
HSV	174°, 51%, 100%
XYZ	60.0845, 82.2159, 96.6993
YIQ	214.3490, -73.9030, -31.8150

Conversions

Conversions Part 2

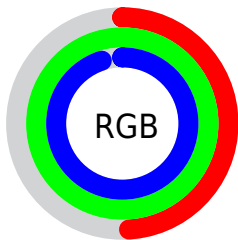
Format	Color
RYB	124, 193, 255
Decimal	8191986
CIELab	92.67, -39.29, -4.88
CIElCh	93, 39.588, 187.082
Yxy	82.2159, 0.2514, 0.3440
Android (android.graphics.Color)	4286382066 (0xFF7CFFF2)
YUV	214.3490, 13.6319, -79.2361
Hunter-Lab	90.6730, -40.3946, 0.2406

Details

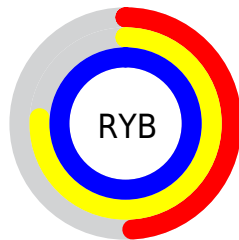
The Yxy color **82.2159, 0.2514, 0.3440** is a light color, and the websafe version is hex **66FFFF**. A complement of this color would be **37.4480, 0.4469, 0.3161**, and the grayscale version is **67.4093, 0.3127, 0.3290**.

A 20% lighter version of the original color is **89.0543, 0.2726, 0.3289**, and **44.8032, 0.2383, 0.3472** is the 20% darker color. If you saturate the color by 10%, you get **80.3972, 0.2441, 0.3474**, and if you desaturate by 10%, it is **84.5087, 0.2606, 0.3407**.

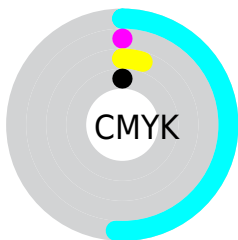
Distribution



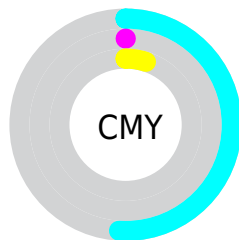
- Red (49%)
- Green (100%)
- Blue (95%)



- Red (49%)
- Yellow (76%)
- Blue (100%)



- Cyan (51%)
- Magenta (0%)
- Yellow (5%)
- Black (0%)





- Cyan (51%)
- Magenta (0%)
- Yellow (5%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 82.2159, 0.2514, 0.3440 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 82.2159, 0.2514, 0.3440 by changing the saturation by 10% instead.


 82.2159, 0.2514,
0.3440

 82.2159, 0.2514,
0.3440


502.3696, 0.2788,
0.3377


 61.5435, 0.2454,
0.3453

 136.4767, 0.2607,
0.3419

 44.6639, 0.2381,
0.3469


 170.8340, 0.2644,
0.3411

 31.1928, 0.2291,
0.3487


 210.5216, 0.2675,
0.3403

 20.7457, 0.2176,
0.3510

255.9240, 0.2703,
0.3397

 12.9383, 0.2026,
0.3537

307.4256, 0.2728,
0.3391

 7.3860, 0.1822,
0.3571

365.4108, 0.2750,

 3.7047, 0.1532,

0.3386

430.2640, 0.2770,
0.3381

0.3610

1.5098, 0.0921,
0.3715

0.2956, 0.0000,
0.3083

82.2159, 0.2514,
0.3440

82.2159, 0.2514,
0.3440

80.3972, 0.2441,
0.3474

84.5087, 0.2606,
0.3407

79.0423, 0.2387,
0.3508


87.3386, 0.2713,
0.3376

78.0971, 0.2352,
0.3543

90.7276, 0.2835,
0.3346

77.5082, 0.2337,
0.3577

94.7046, 0.2967,
0.3318

 77.2165, 0.2335,
0.3606

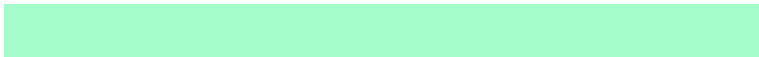
 99.2966, 0.3107,
0.3293

100.0000, 0.3127,
0.3290

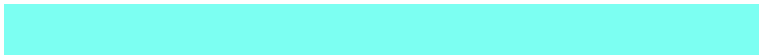
Harmonies

Analogous

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



82.2159, 0.2881, 0.3866



82.2159, 0.2514, 0.3440



82.2159, 0.2314, 0.3002

Triad

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



82.2159, 0.2514, 0.3440



82.2159, 0.2873, 0.2604



82.2159, 0.4004, 0.3822

Complementary

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



82.2159, 0.2514, 0.3440



37.4480, 0.4469, 0.3161

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.



82.2159, 0.4015, 0.3473



82.2159, 0.2514, 0.3440



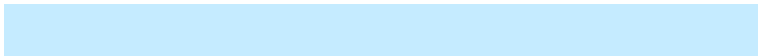
82.2159, 0.3333, 0.2801

Square

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



82.2159, 0.2514, 0.3440



82.2159, 0.2509, 0.2559



82.2159, 0.3763, 0.3109



82.2159, 0.3746, 0.4067

Rectangle

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



82.2159, 0.2514, 0.3440



82.2159, 0.2291, 0.2776



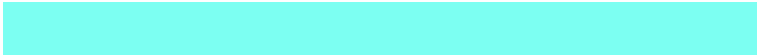
82.2159, 0.3763, 0.3109



82.2159, 0.4037, 0.3712

Sweetspot

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



82.2064, 0.2514, 0.3440



93.2114, 0.2919, 0.3328



78.2898, 0.3116, 0.4908



19.7707, 0.2891, 0.3334



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

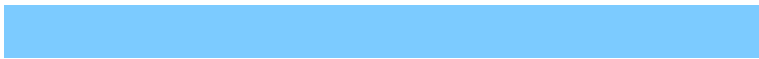
The Same Dimension uses a secret algorithm to generate beautiful new colors.



82.2064, 0.2514, 0.3440



80.3066, 0.2437, 0.3476



53.9966, 0.2332, 0.2645



20.4486, 0.2993, 0.3314



40.3600, 0.2334, 0.3600



3.9383, 0.2323, 0.3561

Inverse Universe

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



37.4480, 0.4469, 0.3161



30.9738, 0.4927, 0.3149



53.8915, 0.4300, 0.3833



18.0163, 0.3279, 0.3267



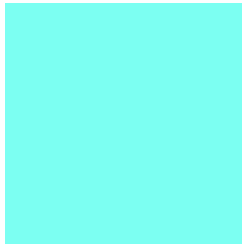
11.1557, 0.6289, 0.3238



1.0955, 0.6078, 0.3122

Previews

White Background



This preview shows how the Yxy color 82.2159, 0.2514, 0.3440 looks on a white background.

Color Contrast Check

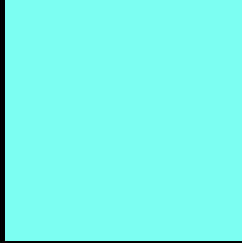
Large Text (above 18pt) WCAG AA × Fail

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 82.2159, 0.2514, 0.3440 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

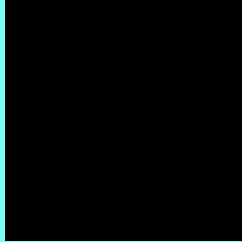
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

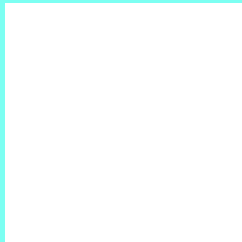
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 82.2159, 0.2514, 0.3440

Background



This preview shows how black text looks on a background with the Yxy color 82.2159, 0.2514, 0.3440.

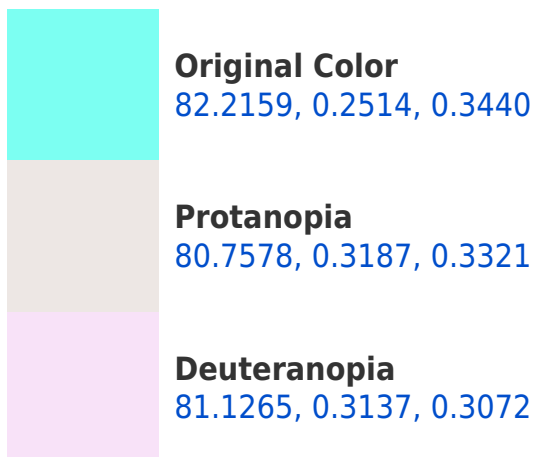


This preview shows how white text looks on a background with the Yxy color 82.2159, 0.2514, 0.3440.

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

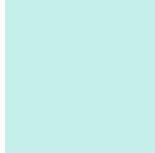
81.6355, 0.2713, 0.3159

Trichromacy



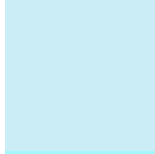
Original Color

82.2159, 0.2514, 0.3440



Protanomaly

79.9391, 0.2890, 0.3366



Deuteranomaly

79.9187, 0.2858, 0.3193



Tritanomaly

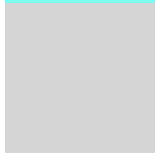
81.2102, 0.2630, 0.3255

Monochromacy



Original Color

82.2159, 0.2514, 0.3440



Achromatopsia

67.2443, 0.3127, 0.3290



Achromatomaly

71.2442, 0.2844, 0.3347

CSS Examples

Text

The CSS property to change the color of the text to Yxy 82.2159, 0.2514, 0.3440 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(124, 255, 242)` looks like.

```
.text, #text, p{  
    color:rgb(124, 255, 242)  
}
```

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(124, 255, 242) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(124, 255, 242) }
```

Border

The CSS property to change the border of an element to Yxy 82.2159, 0.2514, 0.3440 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(124, 255, 242) }
```

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

```
.border{ border-color:rgb(124, 255, 242) }
```

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

Here you see how a box with a 4 pixel rgb(124, 255, 242) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(124, 255, 242); -webkit-box-  
shadow:4px 4px 4px 4px rgb(124, 255, 242);  
box-shadow:4px 4px 4px 4px rgb(124, 255,  
242) }
```


Background

The CSS property to change the background color of an element to Yxy 82.2159, 0.2514, 0.3440 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(124, 255, 242) }
```

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

```
.background{ background-color: rgb(124,  
255, 242) }
```

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