

Converting Colors

$Yxy(82.9671, 0.2570, 0.3492)$

Have a look what the booklet for
Yxy(82.9671, 0.2570, 0.3492)
contains.

Yxy(82.7614, 0.2570, 0.3486)	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(82.7614, 0.2570, 0.3486)

Conversions

Conversions Part 1

Format	Color
Hex	86FFEE
RGB	134, 255, 238
RGB Percent	53%, 100%, 93%
CMY	0.4747, 0.0000, 0.0667
CMYK	0.47, 0.00, 0.07, 0.00
HSL	172°, 100%, 76%
HSV	172°, 47%, 100%
XYZ	61.0146, 82.7614, 93.6348
YIQ	216.8830, -66.6590, -30.9390

Conversions

Conversions Part 2

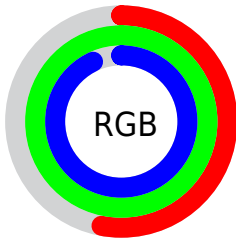
Format	Color
RYB	134, 199, 255
Decimal	8847342
CIELab	92.91, -38.12, -2.41
CIELCh	93, 38.193, 183.625
Yxy	82.7614, 0.2570, 0.3486
Android (android.graphics.Color)	4287037422 (0xFF86FFEE)
YUV	216.8830, 10.4107, -72.6884
Hunter-Lab	90.9733, -39.4857, 2.6567

Details

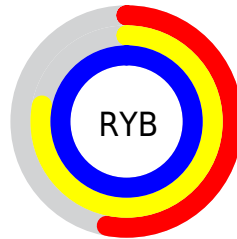
The Yxy color **82.7614, 0.2570, 0.3486** is a light color, and the websafe version is hex **66FFFF**. A complement of this color would be **40.5266, 0.4256, 0.3117**, and the grayscale version is **69.2506, 0.3127, 0.3290**.

A 20% lighter version of the original color is **90.2093, 0.2773, 0.3289**, and **45.1433, 0.2450, 0.3533** is the 20% darker color. If you saturate the color by 10%, you get **80.6994, 0.2492, 0.3534**, and if you desaturate by 10%, it is **85.3210, 0.2665, 0.3439**.

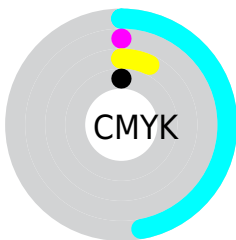
Distribution



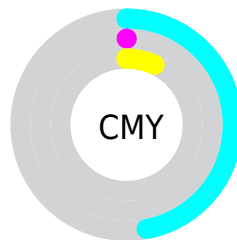
- Red (53%)
- Green (100%)
- Blue (93%)



- Red (53%)
- Yellow (78%)
- Blue (100%)



- Cyan (47%)
- Magenta (0%)
- Yellow (7%)
- Black (0%)




- Cyan (47%)
- Magenta (0%)
- Yellow (7%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 82.7614, 0.2570, 0.3486 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 82.7614, 0.2570, 0.3486 by changing the saturation by 10% instead.

 82.7614, 0.2570,
0.3486


 82.7614, 0.2570,
0.3486


504.1910, 0.2819,
0.3400

 61.9933, 0.2515,
0.3505


 137.2412, 0.2655,
0.3457

 45.0273, 0.2448,
0.3527

 171.7218, 0.2688,
0.3445

 31.4789, 0.2365,
0.3555


211.5420, 0.2717,
0.3435

 20.9638, 0.2259,
0.3589

257.0862, 0.2743,
0.3427

 13.0976, 0.2120,
0.3634

308.7388, 0.2765,
0.3419

 7.4958, 0.1930,
0.3693

366.8842, 0.2785,

 3.7740, 0.1655,

0.3412

0.3775

431.9068, 0.2803,
0.3406

■ 1.5480, 0.1092,
0.3951

■ 0.3221, 0.0000,
0.3827

■ 82.7614, 0.2570,
0.3486

■ 82.7614, 0.2570,
0.3486

■ 80.6994, 0.2492,
0.3534

■ 85.3210, 0.2665,
0.3439

■ 79.1155, 0.2434,
0.3584

■ 88.4288, 0.2774,
0.3395

■ 77.9618, 0.2395,
0.3634

■ 92.1095, 0.2896,
0.3354

■ 77.1889, 0.2375,
0.3684

■ 96.3913, 0.3026,
0.3316

■ 76.7323, 0.2373,
0.3734

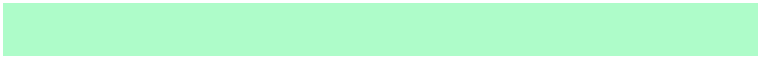
100.0000, 0.3127,
0.3290

■ 76.6429, 0.2374,
0.3746

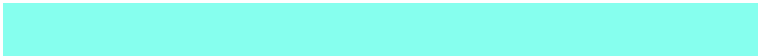
Harmonies

Analogous

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



82.7614, 0.2939, 0.3881



82.7614, 0.2570, 0.3486



82.7614, 0.2355, 0.3058

Triad

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



82.7614, 0.2570, 0.3486



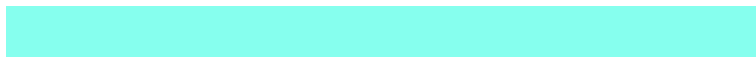
82.7614, 0.2835, 0.2614



82.7614, 0.3986, 0.3770

Complementary

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



82.7614, 0.2570, 0.3486



40.5266, 0.4256, 0.3117

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.



82.7614, 0.3965, 0.3427



82.7614, 0.2570, 0.3486



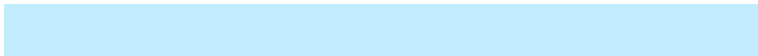
82.7614, 0.3274, 0.2789

Square

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



82.7614, 0.2570, 0.3486



82.7614, 0.2500, 0.2590



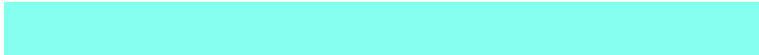
82.7614, 0.3698, 0.3078



82.7614, 0.3763, 0.4021

Rectangle

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



82.7614, 0.2570, 0.3486



82.7614, 0.2318, 0.2828



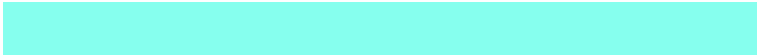
82.7614, 0.3698, 0.3078



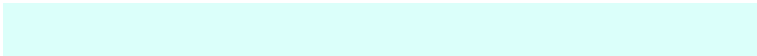
82.7614, 0.4008, 0.3661

Sweetspot

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



82.7556, 0.2570, 0.3486



93.5277, 0.2940, 0.3340



79.9245, 0.3154, 0.4754



19.8284, 0.2912, 0.3349



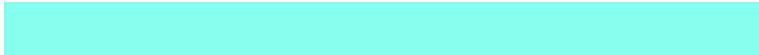
0.0000, 0.0000, 0.0000



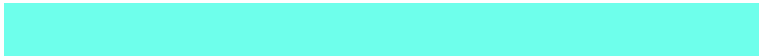
21.4041, 0.3127, 0.3290

Same Dimension

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



82.7556, 0.2570, 0.3486



80.7860, 0.2496, 0.3532



59.6855, 0.2402, 0.2780



20.4350, 0.2999, 0.3324



40.0645, 0.2372, 0.3738



3.9125, 0.2356, 0.3681

Inverse Universe

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



40.5266, 0.4256, 0.3117



33.9503, 0.4628, 0.3092



54.1524, 0.4214, 0.3734



18.0286, 0.3272, 0.3257



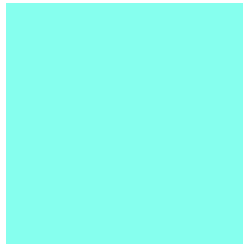
11.1874, 0.6217, 0.3199



1.1013, 0.5956, 0.3055

Previews

White Background



This preview shows how the Yxy color 82.7614, 0.2570, 0.3486 looks on a white background.

Color Contrast Check

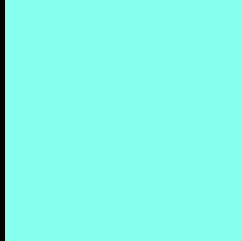
Large Text (above 18pt) WCAG AA × Fail

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 82.7614, 0.2570, 0.3486 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 82.7614, 0.2570, 0.3486

Background



This preview shows how black text looks on a background with the Yxy color 82.7614, 0.2570, 0.3486.

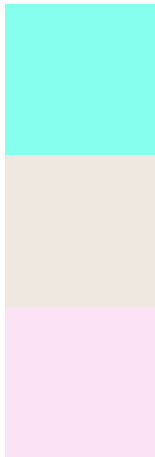


This preview shows how white text looks on a background with the Yxy color 82.7614, 0.2570, 0.3486.

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

82.7614, 0.2570, 0.3486

Protanopia

81.5002, 0.3220, 0.3362

Deuteranopia

81.4336, 0.3184, 0.3112



Tritanopia

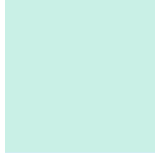
82.1400, 0.2735, 0.3160

Trichromacy



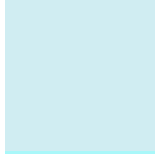
Original Color

82.7614, 0.2570, 0.3486



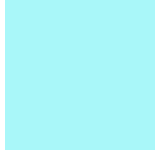
Protanomaly

80.4509, 0.2937, 0.3399



Deuteranomaly

80.3891, 0.2911, 0.3236



Tritanomaly

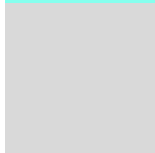
81.7961, 0.2664, 0.3266

Monochromacy



Original Color

82.7614, 0.2570, 0.3486



Achromatopsia

69.3872, 0.3127, 0.3290



Achromatomaly

73.1529, 0.2876, 0.3358

CSS Examples

Text

The CSS property to change the color of the text to Yxy 82.7614, 0.2570, 0.3486 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(134, 255, 238)` looks like.

```
.text, #text, p{  
    color:rgb(134, 255, 238)  
}
```

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(134, 255, 238) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(134, 255, 238) }
```

Border

The CSS property to change the border of an element to Yxy 82.7614, 0.2570, 0.3486 is called "border". The border property can be set on classes, ids or directly on the HTML element.

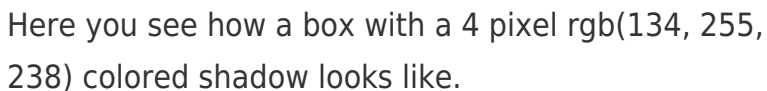
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(134, 255, 238) }
```

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

```
.border{ border-color:rgb(134, 255, 238) }
```

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



Here you see how a box with a 4 pixel `rgb(134, 255, 238)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(134, 255, 238); -webkit-box-shadow:4px 4px 4px 4px rgb(134, 255, 238); box-shadow:4px 4px 4px 4px rgb(134, 255, 238) }
```


Background

The CSS property to change the background color of an element to Yxy 82.7614, 0.2570, 0.3486 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(134, 255, 238) }
```

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

```
.background{ background-color: rgb(134,  
255, 238) }
```

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