

Converting Colors

$Yxy(81.6495, 0.2660, 0.3729)$

Have a look what the booklet for
Yxy(81.6495, 0.2660, 0.3729)
contains.

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Color

Yxy(81.6503, 0.2661, 0.3730)

Conversions

Conversions Part 1

Format	Color
Hex	86FFDA
RGB	134, 255, 218
RGB Percent	53%, 100%, 85%
CMY	0.4743, 0.0000, 0.1452
CMYK	0.47, 0.00, 0.15, 0.00
HSL	162°, 100%, 76%
HSV	162°, 47%, 100%
XYZ	58.2497, 81.6503, 79.0016
YIQ	214.6030, -60.2390, -37.1590

Conversions

Conversions Part 2

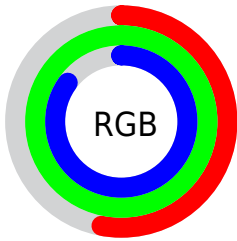
Format	Color
RYB	134, 205, 255
Decimal	8847322
CIELab	92.42, -42.62, 7.21
CIELCh	92, 43.229, 170.393
Yxy	81.6503, 0.2661, 0.3730
Android (android.graphics.Color)	4287037402 (0xFF86FFDA)
YUV	214.6030, 1.6747, -70.6888
Hunter-Lab	90.3606, -43.0633, 11.4156

Details

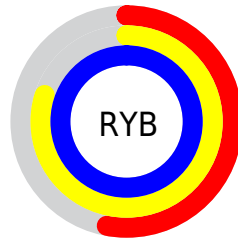
The Yxy color **81.6503, 0.2661, 0.3730** is a light color, and the websafe version is hex **99FFCC**. A complement of this color would be **41.2687, 0.4026, 0.2908**, and the grayscale version is **67.7009, 0.3127, 0.3290**.

A 20% lighter version of the original color is **90.0775, 0.2768, 0.3289**, and **44.4490, 0.2555, 0.3843** is the 20% darker color. If you saturate the color by 10%, you get **79.4046, 0.2597, 0.3842**, and if you desaturate by 10%, it is **84.4268, 0.2741, 0.3623**.

Distribution



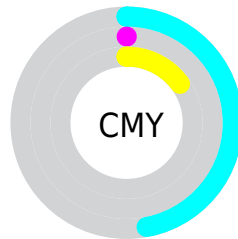
- Red (53%)
- Green (100%)
- Blue (85%)



- Red (53%)
- Yellow (80%)
- Blue (100%)



- Cyan (47%)
- Magenta (0%)
- Yellow (15%)
- Black (0%)




- Cyan (47%)
- Magenta (0%)
- Yellow (15%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 81.6503, 0.2661, 0.3730 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 81.6503, 0.2661, 0.3730 by changing the saturation by 10% instead.


 81.6503, 0.2661,
0.3730


 81.6503, 0.2661,
0.3730


500.4772, 0.2874,
0.3525

 61.0773, 0.2613,
0.3777


 135.6835, 0.2734,
0.3659

 44.2876, 0.2554,
0.3835


 169.9125, 0.2763,
0.3631

 30.8967, 0.2480,
0.3909


209.4623, 0.2788,
0.3607

 20.5202, 0.2384,
0.4006

254.7173, 0.2810,
0.3587

 12.7737, 0.2255,
0.4139

306.0619, 0.2829,
0.3568

 7.2729, 0.2074,
0.4330


363.8805, 0.2846,


 3.6334, 0.1802,


0.3552


0.4630


428.5575, 0.2861,
0.3538


 1.4707, 0.0976,
0.5387


 0.2679, 0.0000,
1.0000


 81.6503, 0.2661,
0.3730


 81.6503, 0.2661,
0.3730

 79.4046, 0.2597,
0.3842


 84.4268, 0.2741,
0.3623


 77.6430, 0.2551,
0.3959

 87.7580, 0.2833,
0.3523

 76.3264, 0.2525,
0.4077

 91.6777, 0.2935,
0.3431

 75.4052, 0.2520,
0.4195

 96.2143, 0.3044,
0.3347

■ 74.8147, 0.2534,
0.4311

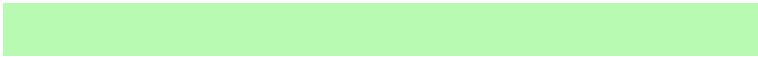
100.0000, 0.3127,
0.3290

■ 74.6919, 0.2539,
0.4341

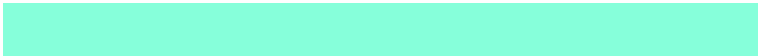
Harmonies

Analogous

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



81.6503, 0.3125, 0.4105



81.6503, 0.2661, 0.3730



81.6503, 0.2337, 0.3228

Triad

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



81.6503, 0.2661, 0.3730



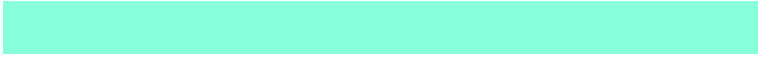
81.6503, 0.2609, 0.2496



81.6503, 0.4130, 0.3659

Complementary

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



81.6503, 0.2661, 0.3730



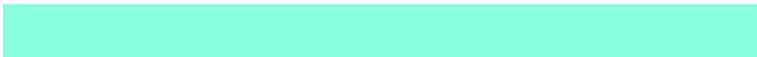
41.2687, 0.4026, 0.2908

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.



81.6503, 0.3978, 0.3262



81.6503, 0.2661, 0.3730



81.6503, 0.3064, 0.2622

Square

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



81.6503, 0.2661, 0.3730



81.6503, 0.2312, 0.2549



81.6503, 0.3575, 0.2895



81.6503, 0.3987, 0.4006

Rectangle

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



81.6503, 0.2661, 0.3730



81.6503, 0.2233, 0.2925



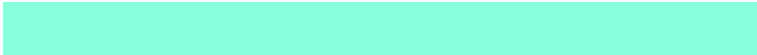
81.6503, 0.3575, 0.2895



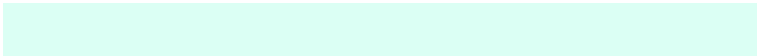
81.6503, 0.4113, 0.3528

Sweetspot

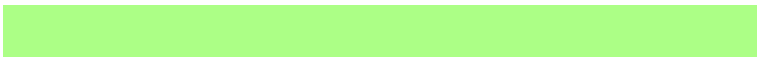
The Sweet Spot groups the original color and five complimentary colors.



81.6535, 0.2661, 0.3730



93.1626, 0.2972, 0.3401



82.0536, 0.3273, 0.4699



19.7388, 0.2949, 0.3420



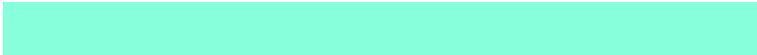
0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

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



81.6535, 0.2661, 0.3730



79.4909, 0.2599, 0.3838



70.4726, 0.2449, 0.3029



20.3812, 0.3021, 0.3364



39.0560, 0.2534, 0.4322



3.8223, 0.2497, 0.4189

Inverse Universe

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



41.2687, 0.4026, 0.2908



34.6744, 0.4319, 0.2846



46.8364, 0.4325, 0.3524



18.0786, 0.3246, 0.3217



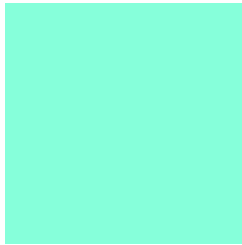
11.4199, 0.5747, 0.2939



1.1304, 0.5427, 0.2763

Previews

White Background



This preview shows how the Yxy color 81.6503, 0.2661, 0.3730 looks on a white background.

Color Contrast Check

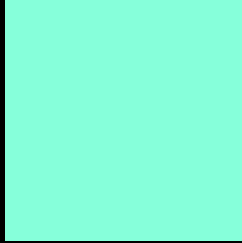
Large Text (above 18pt) WCAG AA × Fail

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 81.6503, 0.2661, 0.3730 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

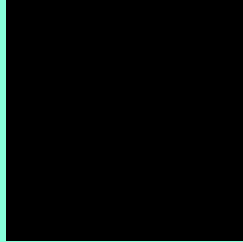
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

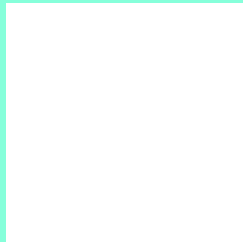
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 81.6503, 0.2661, 0.3730

Background



This preview shows how black text looks on a background with the Yxy color 81.6503, 0.2661, 0.3730.

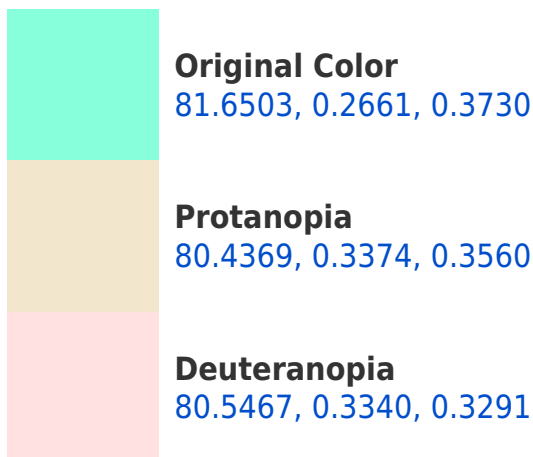


This preview shows how white text looks on a background with the Yxy color 81.6503, 0.2661, 0.3730.

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

81.0385, 0.2712, 0.3148

Trichromacy



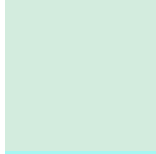
Original Color

81.6503, 0.2661, 0.3730



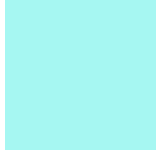
Protanomaly

79.6698, 0.3066, 0.3623



Deuteranomaly

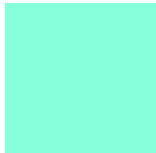
79.1137, 0.3047, 0.3442



Tritanomaly

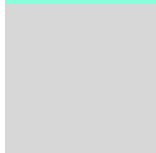
81.0393, 0.2683, 0.3345

Monochromacy



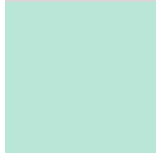
Original Color

81.6503, 0.2661, 0.3730



Achromatopsia

67.9542, 0.3127, 0.3290



Achromatomaly

71.9906, 0.2922, 0.3451

CSS Examples

Text

The CSS property to change the color of the text to Yxy 81.6503, 0.2661, 0.3730 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, 218)` looks like.

```
.text, #text, p{  
    color:rgb(134, 255, 218)  
}
```

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, 218) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(134, 255, 218) }
```

Border

The CSS property to change the border of an element to Yxy 81.6503, 0.2661, 0.3730 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, 218) }
```

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

```
.border{ border-color:rgb(134, 255, 218) }
```

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, 218)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(134, 255, 218); -webkit-box-  
shadow:4px 4px 4px 4px rgb(134, 255, 218);  
box-shadow:4px 4px 4px 4px rgb(134, 255,  
218) }
```


Background

The CSS property to change the background color of an element to Yxy 81.6503, 0.2661, 0.3730 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, 218) }
```

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

```
.background{ background-color: rgb(134,  
255, 218) }
```

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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