

Converting Colors

$Yxy(82.4601, 0.2534, 0.3451)$

Have a look what the booklet for
Yxy(82.4601, 0.2534, 0.3451)
contains.

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Color

Yxy(82.4601, 0.2534, 0.3451)

Conversions

Conversions Part 1

Format	Color
Hex	80FFF1
RGB	128, 255, 241
RGB Percent	50%, 100%, 95%
CMY	0.4976, 0.0000, 0.0549
CMYK	0.50, 0.00, 0.05, 0.00
HSL	173°, 100%, 75%
HSV	173°, 50%, 100%
XYZ	60.5488, 82.4601, 95.9366
YIQ	215.4310, -71.1980, -31.2780

Conversions

Conversions Part 2

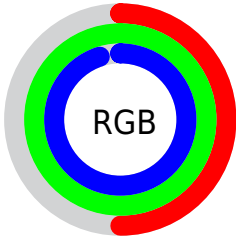
Format	Color
RYB	128, 195, 255
Decimal	8454129
CIELab	92.78, -38.65, -4.19
CIELCh	93, 38.873, 186.186
Yxy	82.4601, 0.2534, 0.3451
Android (android.graphics.Color)	4286644209 (0xFF80FFF1)
YUV	215.4310, 12.6055, -76.6770
Hunter-Lab	90.8075, -39.8927, 0.9264

Details

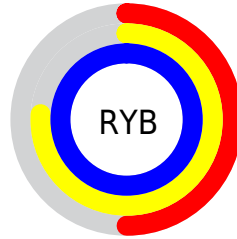
The Yxy color **82.4601, 0.2534, 0.3451** is a light color, and the websafe version is hex **66FFFF**. A complement of this color would be **38.6794, 0.4386, 0.3150**, and the grayscale version is **68.2291, 0.3127, 0.3290**.

A 20% lighter version of the original color is **89.4314, 0.2742, 0.3289**, and **44.9477, 0.2405, 0.3487** is the 20% darker color. If you saturate the color by 10%, you get **80.5595, 0.2458, 0.3489**, and if you desaturate by 10%, it is **84.8666, 0.2628, 0.3415**.

Distribution



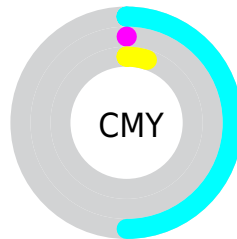
- Red (50%)
- Green (100%)
- Blue (95%)



- Red (50%)
- Yellow (76%)
- Blue (100%)



- Cyan (50%)
- Magenta (0%)
- Yellow (5%)
- Black (0%)




- Cyan (50%)
- Magenta (0%)
- Yellow (5%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 82.4601, 0.2534, 0.3451 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 82.4601, 0.2534, 0.3451 by changing the saturation by 10% instead.

 82.4601, 0.2534,
0.3451


 82.4601, 0.2534,
0.3451

503.1854, 0.2799,
0.3382


 61.7449, 0.2476,
0.3465


 136.8190, 0.2624,
0.3428

 44.8266, 0.2405,
0.3483


 171.2315, 0.2660,
0.3419

 31.3208, 0.2318,
0.3504


 210.9785, 0.2690,
0.3411

 20.8433, 0.2206,
0.3529

256.4445, 0.2717,
0.3404

 13.0095, 0.2060,
0.3561

308.0137, 0.2741,
0.3397

 7.4351, 0.1861,
0.3602

366.0707, 0.2763,

 3.7357, 0.1577,

0.3392

0.3652

430.9998, 0.2782,
0.3387

■ 1.5268, 0.0991,
0.3772

■ 0.3075, 0.0000,
0.3288

■ 82.4601, 0.2534,
0.3451

■ 82.4601, 0.2534,
0.3451

■ 80.5595, 0.2458,
0.3489

■ 84.8666, 0.2628,
0.3415

■ 79.1172, 0.2402,
0.3527

■ 87.8034, 0.2737,
0.3380

■ 78.0931, 0.2365,
0.3566

■ 91.3047, 0.2859,
0.3347

■ 77.4353, 0.2348,
0.3605

■ 95.3991, 0.2991,
0.3317

■ 77.0617, 0.2345,
0.3643

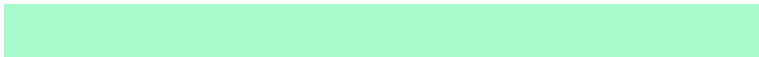
99.9959, 0.3127,
0.3290

■ 77.0541, 0.2345,
0.3643

Harmonies

Analogous

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



82.4601, 0.2899, 0.3864



82.4601, 0.2534, 0.3451



82.4601, 0.2332, 0.3020

Triad

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



82.4601, 0.2534, 0.3451



82.4601, 0.2865, 0.2612



82.4601, 0.3991, 0.3804

Complementary

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



82.4601, 0.2534, 0.3451



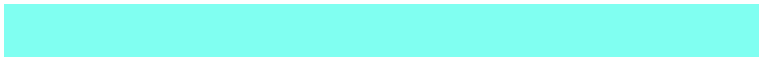
38.6794, 0.4386, 0.3150

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.



82.4601, 0.3994, 0.3460



82.4601, 0.2534, 0.3451



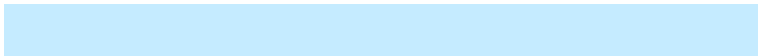
82.4601, 0.3316, 0.2802

Square

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



82.4601, 0.2534, 0.3451



82.4601, 0.2512, 0.2573



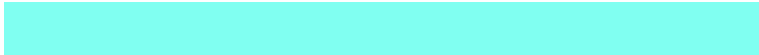
82.4601, 0.3740, 0.3103



82.4601, 0.3746, 0.4048

Rectangle

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



82.4601, 0.2534, 0.3451



82.4601, 0.2305, 0.2794



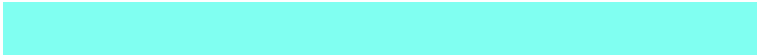
82.4601, 0.3740, 0.3103



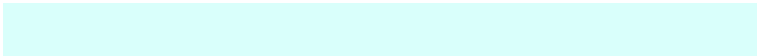
82.4601, 0.4022, 0.3696

Sweetspot

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



82.4633, 0.2534, 0.3451



93.1846, 0.2921, 0.3332



78.9082, 0.3129, 0.4845



19.7641, 0.2893, 0.3339



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

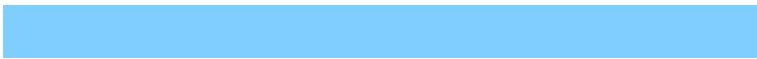
The Same Dimension uses a secret algorithm to generate beautiful new colors.



82.4633, 0.2534, 0.3451



80.5248, 0.2457, 0.3490



56.1285, 0.2361, 0.2697



20.4449, 0.2995, 0.3316



40.2786, 0.2344, 0.3637



3.9312, 0.2332, 0.3593

Inverse Universe

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



38.6794, 0.4386, 0.3150



32.0918, 0.4815, 0.3133



54.1628, 0.4262, 0.3796



18.0196, 0.3277, 0.3264



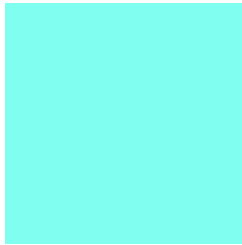
11.1633, 0.6272, 0.3229



1.0970, 0.6045, 0.3104

Previews

White Background



This preview shows how the Yxy color 82.4601, 0.2534, 0.3451 looks on a white background.

Color Contrast Check

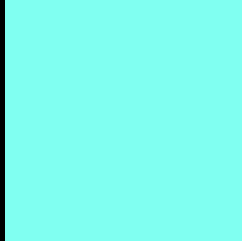
Large Text (above 18pt) WCAG AA × Fail

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 82.4601, 0.2534, 0.3451 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

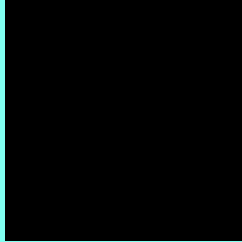
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 82.4601, 0.2534, 0.3451

Background



This preview shows how black text looks on a background with the Yxy color 82.4601, 0.2534, 0.3451.

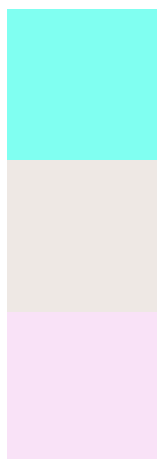


This preview shows how white text looks on a background with the Yxy color 82.4601, 0.2534, 0.3451.

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

82.4601, 0.2534, 0.3451

Protanopia

81.4918, 0.3193, 0.3331

Deuteranopia

81.2478, 0.3151, 0.3082



Tritanopia

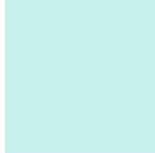
81.8860, 0.2724, 0.3160

Trichromacy



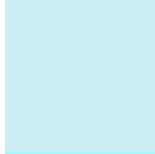
Original Color

82.4601, 0.2534, 0.3451



Protanomaly

80.2091, 0.2902, 0.3366



Deuteranomaly

80.1401, 0.2876, 0.3204



Tritanomaly

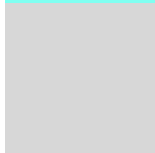
81.5306, 0.2645, 0.3255

Monochromacy



Original Color

82.4601, 0.2534, 0.3451



Achromatopsia

67.9542, 0.3127, 0.3290



Achromatomaly

72.0427, 0.2857, 0.3358

CSS Examples

Text

The CSS property to change the color of the text to Yxy 82.4601, 0.2534, 0.3451 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(128, 255, 241)` looks like.

```
.text, #text, p{  
    color:rgb(128, 255, 241)  
}
```

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(128, 255, 241) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(128, 255, 241) }
```

Border

The CSS property to change the border of an element to Yxy 82.4601, 0.2534, 0.3451 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(128, 255, 241) }
```

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

```
.border{ border-color:rgb(128, 255, 241) }
```

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

Here you see how a box with a 4 pixel rgb(128, 255, 241) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(128, 255, 241); -webkit-box-  
shadow:4px 4px 4px 4px rgb(128, 255, 241);  
box-shadow:4px 4px 4px 4px rgb(128, 255,  
241) }
```


Background

The CSS property to change the background color of an element to Yxy 82.4601, 0.2534, 0.3451 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(128, 255, 241) }
```

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

```
.background{ background-color: rgb(128,  
255, 241) }
```

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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