

Converting Colors

$Yxy(81.4254, 0.2418, 0.3346)$

Have a look what the booklet for
Yxy(81.4254, 0.2418, 0.3346)
contains.

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Color

Yxy(81.4254, 0.2418, 0.3346)

Conversions

Conversions Part 1

Format	Color
Hex	69FFFA
RGB	105, 255, 250
RGB Percent	41%, 100%, 98%
CMY	0.5883, 0.0000, 0.0195
CMYK	0.59, 0.00, 0.02, 0.00
HSL	178°, 100%, 71%
HSV	178°, 59%, 100%
XYZ	58.8424, 81.4254, 103.0837
YIQ	209.5800, -87.7950, -33.3550

Conversions

Conversions Part 2

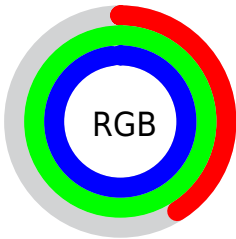
Format	Color
RYB	105, 181, 255
Decimal	6946810
CIELab	92.32, -40.76, -9.62
CIELCh	92, 41.879, 193.286
Yxy	81.4254, 0.2418, 0.3346
Android (android.graphics.Color)	4285136890 (0xFF69FFFA)
YUV	209.5800, 19.9271, -91.7167
Hunter-Lab	90.2360, -41.5142, -4.5664

Details

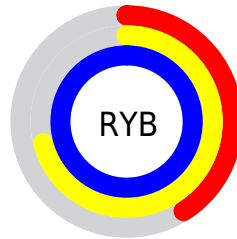
The Yxy color **81.4254, 0.2418, 0.3346** is a light color, and the websafe version is hex **66FFFF**. A complement of this color would be **32.4832, 0.4910, 0.3248**, and the grayscale version is **64.0668, 0.3127, 0.3290**.

A 20% lighter version of the original color is **87.1750, 0.2647, 0.3289**, and **44.3155, 0.2267, 0.3349** is the 20% darker color. If you saturate the color by 10%, you get **80.0542, 0.2355, 0.3357**, and if you desaturate by 10%, it is **83.2610, 0.2501, 0.3335**.

Distribution



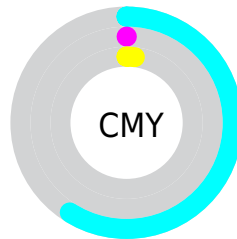
- Red (41%)
- Green (100%)
- Blue (98%)



- Red (41%)
- Yellow (71%)
- Blue (100%)



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




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

Brightness & Saturation Gradients


These gradients show how the Yxy color 81.4254, 0.2418, 0.3346 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 81.4254, 0.2418, 0.3346 by changing the saturation by 10% instead.


 81.4254, 0.2418,
0.3346

 81.4254, 0.2418,
0.3346

499.7236, 0.2732,
0.3329


 60.8920, 0.2350,
0.3348


 135.3679, 0.2524,
0.3342

 44.1380, 0.2267,
0.3350


 169.5459, 0.2566,
0.3339

 30.7790, 0.2165,
0.3350


 209.0408, 0.2603,
0.3337

 20.4306, 0.2036,
0.3349

254.2370, 0.2635,
0.3335

 12.7085, 0.1869,
0.3343

305.5190, 0.2664,
0.3333

 7.2281, 0.1645,
0.3327


363.2712, 0.2689,


 3.6052, 0.1335,


0.3332


0.3286


427.8780, 0.2712,
0.3330


 1.4552, 0.0674,
0.3252


 0.2569, 0.0000,
0.2124

 81.4254, 0.2418,
0.3346


 81.4254, 0.2418,
0.3346


 80.0542, 0.2355,
0.3357

 83.2610, 0.2501,
0.3335


 79.1024, 0.2311,
0.3368


 85.5963, 0.2602,
0.3325


 78.5200, 0.2286,
0.3379

 88.4658, 0.2720,
0.3315

 78.2334, 0.2276,
0.3389

 91.9002, 0.2852,
0.3306

 78.2081, 0.2275,
0.3391

 95.9279, 0.2994,
0.3297

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.



81.4254, 0.2774, 0.3821



81.4254, 0.2418, 0.3346



81.4254, 0.2251, 0.2900

Triad

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



81.4254, 0.2418, 0.3346



81.4254, 0.2952, 0.2597



81.4254, 0.4018, 0.3917

Complementary

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



81.4254, 0.2418, 0.3346



32.4832, 0.4910, 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.



81.4254, 0.4091, 0.3560



81.4254, 0.2418, 0.3346



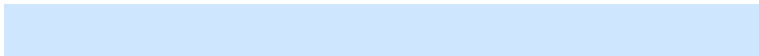
81.4254, 0.3447, 0.2833

Square

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



81.4254, 0.2418, 0.3346



81.4254, 0.2539, 0.2513



81.4254, 0.3878, 0.3174



81.4254, 0.3700, 0.4144

Rectangle

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



81.4254, 0.2418, 0.3346



81.4254, 0.2256, 0.2686



81.4254, 0.3878, 0.3174



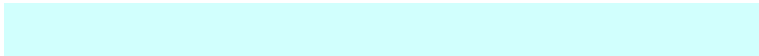
81.4254, 0.4074, 0.3807

Sweetspot

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



81.4261, 0.2418, 0.3346



92.2124, 0.2863, 0.3305



75.8531, 0.3059, 0.5187



19.5074, 0.2823, 0.3307



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.



81.4261, 0.2418, 0.3346



79.8138, 0.2344, 0.3359



44.9155, 0.2201, 0.2399



20.4705, 0.2985, 0.3298



40.8701, 0.2275, 0.3389



3.9825, 0.2271, 0.3377

Inverse Universe

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



32.4832, 0.4910, 0.3248



26.7292, 0.5489, 0.3251



52.9348, 0.4461, 0.3995



17.9968, 0.3289, 0.3283



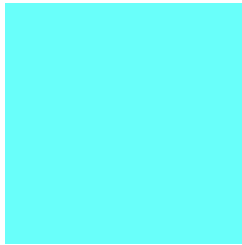
11.1227, 0.6367, 0.3281



1.0863, 0.6288, 0.3238

Previews

White Background



This preview shows how the Yxy color 81.4254, 0.2418, 0.3346 looks on a white background.

Color Contrast Check

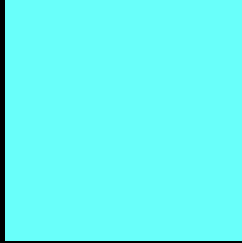
Large Text (above 18pt) WCAG AA × Fail

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 81.4254, 0.2418, 0.3346 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

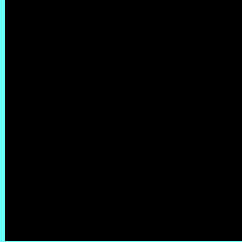
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 81.4254, 0.2418, 0.3346

Background



This preview shows how black text looks on a background with the Yxy color 81.4254, 0.2418, 0.3346.

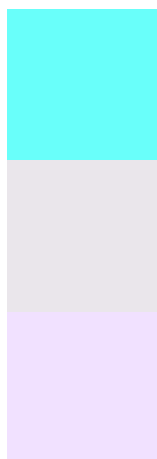


This preview shows how white text looks on a background with the Yxy color 81.4254, 0.2418, 0.3346.

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

81.4254, 0.2418, 0.3346

Protanopia

80.0842, 0.3123, 0.3238

Deuteranopia

79.7712, 0.3046, 0.2991



Tritanopia

80.7862, 0.2676, 0.3158

Trichromacy



Original Color

81.4254, 0.2418, 0.3346



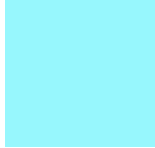
Protanomaly

78.5891, 0.2798, 0.3278



Deuteranomaly

78.2892, 0.2755, 0.3105



Tritanomaly

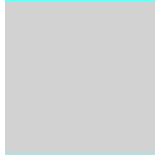
80.1927, 0.2560, 0.3221

Monochromacy



Original Color

81.4254, 0.2418, 0.3346



Achromatopsia

64.4480, 0.3127, 0.3290



Achromatomaly

68.5996, 0.2781, 0.3301

CSS Examples

Text

The CSS property to change the color of the text to Yxy 81.4254, 0.2418, 0.3346 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(105, 255, 250)` looks like.

```
.text, #text, p{  
    color:rgb(105, 255, 250)  
}
```

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(105, 255, 250) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(105, 255, 250) }
```

Border

The CSS property to change the border of an element to Yxy 81.4254, 0.2418, 0.3346 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(105, 255, 250) }
```

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

```
.border{ border-color:rgb(105, 255, 250) }
```

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

Here you see how a box with a 4 pixel `rgb(105, 255, 250)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(105, 255, 250); -webkit-box-  
shadow:4px 4px 4px 4px rgb(105, 255, 250);  
box-shadow:4px 4px 4px 4px rgb(105, 255,  
250) }
```


Background

The CSS property to change the background color of an element to Yxy 81.4254, 0.2418, 0.3346 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(105, 255, 250) }
```

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

```
.background{ background-color: rgb(105,  
255, 250) }
```

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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