

Converting Colors

$Yxy(81.9421, 0.2458, 0.3369)$

Have a look what the booklet for
Yxy(81.9421, 0.2458, 0.3369)
contains.

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Color

Yxy(81.9421, 0.2458, 0.3369)

Conversions

Conversions Part 1

Format	Color
Hex	73FFF8
RGB	115, 255, 248
RGB Percent	45%, 100%, 97%
CMY	0.5487, 0.0000, 0.0273
CMYK	0.55, 0.00, 0.03, 0.00
HSL	177°, 100%, 73%
HSV	177°, 55%, 100%
XYZ	59.7844, 81.9421, 101.4973
YIQ	212.3420, -81.1930, -31.8570

Conversions

Conversions Part 2

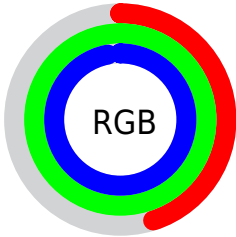
Format	Color
RYB	115, 187, 255
Decimal	7602168
CIELab	92.55, -39.48, -8.22
CIElCh	93, 40.327, 191.758
Yxy	81.9421, 0.2458, 0.3369
Android (android.graphics.Color)	4285792248 (0xFF73FFF8)
YUV	212.3420, 17.5794, -85.3689
Hunter-Lab	90.5219, -40.5245, -3.1134

Details

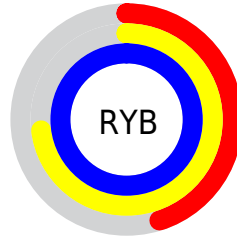
The Yxy color **81.9421, 0.2458, 0.3369** is a light color, and the websafe version is hex **66FFFF**. A complement of this color would be **34.9444, 0.4698, 0.3226**, and the grayscale version is **66.0148, 0.3127, 0.3290**.

A 20% lighter version of the original color is **88.0871, 0.2686, 0.3289**, and **44.6451, 0.2315, 0.3380** is the 20% darker color. If you saturate the color by 10%, you get **80.3692, 0.2388, 0.3386**, and if you desaturate by 10%, it is **83.9999, 0.2547, 0.3353**.

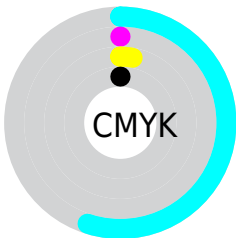
Distribution



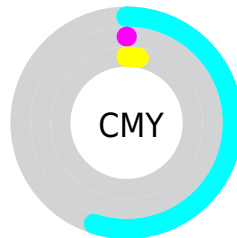
- Red (45%)
- Green (100%)
- Blue (97%)



- Red (45%)
- Yellow (73%)
- Blue (100%)



- Cyan (55%)
- Magenta (0%)
- Yellow (3%)
- Black (0%)




- Cyan (55%)
- Magenta (0%)
- Yellow (3%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 81.9421, 0.2458, 0.3369 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 81.9421, 0.2458, 0.3369 by changing the saturation by 10% instead.

 81.9421, 0.2458,
0.3369


 81.9421, 0.2458,
0.3369


501.4540, 0.2755,
0.3340


 61.3178, 0.2393,
0.3374


 136.0928, 0.2559,
0.3360

 44.4817, 0.2315,
0.3379


 170.3880, 0.2598,
0.3357

 31.0494, 0.2218,
0.3385


 210.0090, 0.2633,
0.3353

 20.6365, 0.2095,
0.3390

255.3401, 0.2663,
0.3350

 12.8585, 0.1936,
0.3393

306.7658, 0.2690,
0.3347

 7.3312, 0.1721,
0.3390

364.6704, 0.2714,

 3.6701, 0.1420,

0.3345

429.4383, 0.2736,
0.3342

0.3372

1.4908, 0.0806,
0.3368

0.2822, 0.0000,
0.2425

81.9421, 0.2458,
0.3369

81.9421, 0.2458,
0.3369

80.3692, 0.2388,
0.3386

83.9999, 0.2547,
0.3353

79.2313, 0.2338,
0.3402


86.5691, 0.2654,
0.3337


78.4844, 0.2306,
0.3419

89.6851, 0.2776,
0.3322

78.0704, 0.2292,
0.3435

93.3778, 0.2910,
0.3309

 77.9450, 0.2290,
0.3444

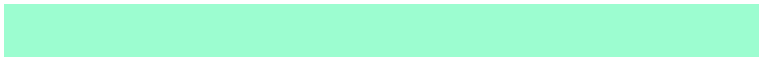
 97.6749, 0.3054,
0.3296

99.9957, 0.3127,
0.3290

Harmonies

Analogous

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



81.9421, 0.2809, 0.3819



81.9421, 0.2458, 0.3369



81.9421, 0.2286, 0.2935

Triad

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



81.9421, 0.2458, 0.3369



81.9421, 0.2937, 0.2613



81.9421, 0.3994, 0.3880

Complementary

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



81.9421, 0.2458, 0.3369



34.9444, 0.4698, 0.3226

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.



81.9421, 0.4049, 0.3534



81.9421, 0.2458, 0.3369



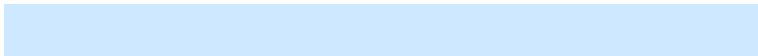
81.9421, 0.3411, 0.2835

Square

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



81.9421, 0.2458, 0.3369



81.9421, 0.2545, 0.2541



81.9421, 0.3831, 0.3161



81.9421, 0.3700, 0.4105

Rectangle

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



81.9421, 0.2458, 0.3369



81.9421, 0.2284, 0.2723



81.9421, 0.3831, 0.3161



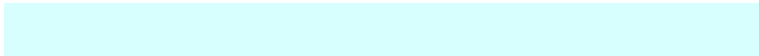
81.9421, 0.4043, 0.3773

Sweetspot

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



81.9453, 0.2458, 0.3369



92.9362, 0.2895, 0.3310



76.8984, 0.3077, 0.5046



19.7221, 0.2866, 0.3313



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.



81.9453, 0.2458, 0.3369



80.2242, 0.2381, 0.3387



48.5831, 0.2265, 0.2501



20.4649, 0.2987, 0.3302



40.7372, 0.2289, 0.3441



3.9711, 0.2284, 0.3422

Inverse Universe

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



34.9444, 0.4698, 0.3226



28.8555, 0.5217, 0.3224



54.3553, 0.4361, 0.3934



18.0017, 0.3287, 0.3279



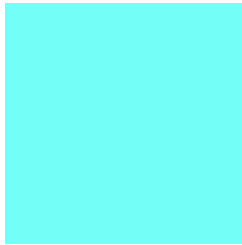
11.1297, 0.6351, 0.3272



1.0886, 0.6233, 0.3208

Previews

White Background



This preview shows how the Yxy color 81.9421, 0.2458, 0.3369 looks on a white background.

Color Contrast Check

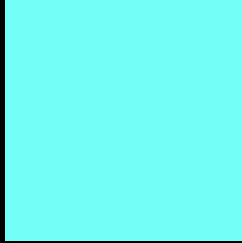
Large Text (above 18pt) WCAG AA × Fail

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 81.9421, 0.2458, 0.3369 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

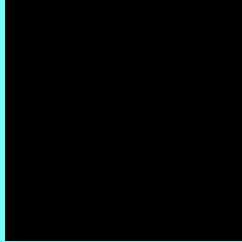
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 81.9421, 0.2458, 0.3369

Background



This preview shows how black text looks on a background with the Yxy color 81.9421, 0.2458, 0.3369.

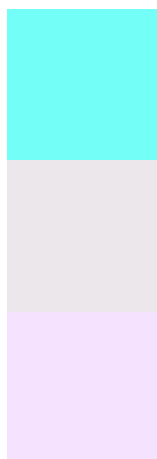


This preview shows how white text looks on a background with the Yxy color 81.9421, 0.2458, 0.3369.

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

81.9421, 0.2458, 0.3369

Protanopia

80.7545, 0.3135, 0.3259

Deuteranopia

80.7816, 0.3072, 0.3012



Tritanopia

81.2663, 0.2697, 0.3158

Trichromacy



Original Color

81.9421, 0.2458, 0.3369



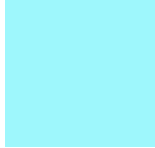
Protanomaly

79.6285, 0.2828, 0.3300



Deuteranomaly

79.4670, 0.2790, 0.3128



Tritanomaly

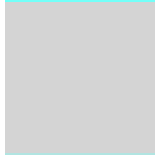
80.8189, 0.2597, 0.3232

Monochromacy



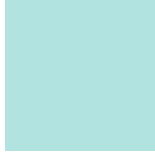
Original Color

81.9421, 0.2458, 0.3369



Achromatopsia

65.8375, 0.3127, 0.3290



Achromatomaly

70.2702, 0.2813, 0.3324

CSS Examples

Text

The CSS property to change the color of the text to Yxy 81.9421, 0.2458, 0.3369 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(115, 255, 248)` looks like.

```
.text, #text, p{  
    color:rgb(115, 255, 248)  
}
```

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(115, 255, 248) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(115, 255, 248) }
```

Border

The CSS property to change the border of an element to Yxy 81.9421, 0.2458, 0.3369 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(115, 255, 248) }
```

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

```
.border{ border-color:rgb(115, 255, 248) }
```

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

Here you see how a box with a 4 pixel rgb(115, 255, 248) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(115, 255, 248); -webkit-box-  
shadow:4px 4px 4px 4px rgb(115, 255, 248);  
box-shadow:4px 4px 4px 4px rgb(115, 255,  
248) }
```


Background

The CSS property to change the background color of an element to Yxy 81.9421, 0.2458, 0.3369 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(115, 255, 248) }
```

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

```
.background{ background-color: rgb(115,  
255, 248) }
```

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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