

Converting Colors

$Yxy(85.9856, 0.2436, 0.3409)$

Have a look what the booklet for
Yxy(85.9856, 0.2436, 0.3409)
contains.

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Color

Yxy(81.6108, 0.2420, 0.3335)

Conversions

Conversions Part 1

Format	Color
Hex	6BFFFF
RGB	107, 255, 251
RGB Percent	42%, 100%, 98%
CMY	0.5809, 0.0000, 0.0158
CMYK	0.58, 0.00, 0.02, 0.00
HSL	178°, 100%, 71%
HSV	178°, 58%, 100%
XYZ	59.2198, 81.6108, 103.8794
YIQ	210.2920, -86.9240, -32.6200

Conversions

Conversions Part 2

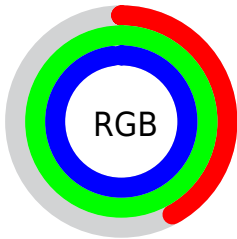
Format	Color
RYB	107, 182, 255
Decimal	7077883
CIELab	92.40, -40.20, -9.99
CIElCh	92, 41.425, 193.951
Yxy	81.6108, 0.2420, 0.3335
Android (android.graphics.Color)	4285267963 (0xFF6BFFFB)
YUV	210.2920, 20.0690, -90.5871
Hunter-Lab	90.3387, -41.0804, -4.9398

Details

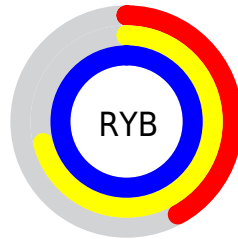
The Yxy color **81.6108, 0.2420, 0.3335** is a light color, and the websafe version is hex **66FFFF**. A complement of this color would be **32.8909, 0.4886, 0.3257**, and the grayscale version is **64.5275, 0.3127, 0.3290**.

A 20% lighter version of the original color is **87.3979, 0.2657, 0.3289**, and **44.4299, 0.2269, 0.3333** is the 20% darker color. If you saturate the color by 10%, you get **80.2053, 0.2355, 0.3344**, and if you desaturate by 10%, it is **83.4619, 0.2505, 0.3326**.

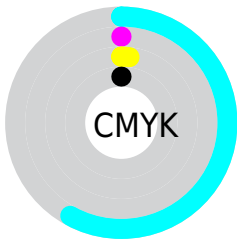
Distribution



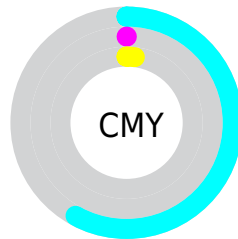
- Red (42%)
- Green (100%)
- Blue (98%)



- Red (42%)
- Yellow (71%)
- Blue (100%)



- Cyan (58%)
- Magenta (0%)
- Yellow (2%)
- Black (0%)





- Cyan (58%)
- Magenta (0%)
- Yellow (2%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 81.6108, 0.2420, 0.3335 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 81.6108, 0.2420, 0.3335 by changing the saturation by 10% instead.


 81.6108, 0.2420,
0.3335

 81.6108, 0.2420,
0.3335

500.3449, 0.2733,
0.3323


 61.0448, 0.2352,
0.3336

 135.6281, 0.2526,
0.3332

 44.2613, 0.2269,
0.3336


 169.8481, 0.2568,
0.3331

 30.8760, 0.2168,
0.3335


 209.3883, 0.2604,
0.3329

 20.5044, 0.2040,
0.3331

254.6330, 0.2637,
0.3328

 12.7622, 0.1874,
0.3322

305.9666, 0.2665,
0.3326

 7.2650, 0.1651,
0.3302

363.7735, 0.2690,

 3.6284, 0.1343,

0.3325

428.4382, 0.2713,
0.3324

0.3255

1.4679, 0.0707,
0.3205

0.2660, 0.0000,
0.2121

81.6108, 0.2420,
0.3335

81.6108, 0.2420,
0.3335

80.2053, 0.2355,
0.3344

83.4619, 0.2505,
0.3326

79.2334, 0.2309,
0.3353


85.8261, 0.2608,
0.3318


78.6349, 0.2282,
0.3361

88.7266, 0.2727,
0.3310

78.3418, 0.2271,
0.3370

92.1942, 0.2860,
0.3302

 78.3022, 0.2270,
0.3372

 96.2571, 0.3005,
0.3295

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.



81.6108, 0.2768, 0.3805



81.6108, 0.2420, 0.3335



81.6108, 0.2259, 0.2897

Triad

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



81.6108, 0.2420, 0.3335



81.6108, 0.2965, 0.2608



81.6108, 0.4004, 0.3917

Complementary

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



81.6108, 0.2420, 0.3335



32.8909, 0.4886, 0.3257

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.



81.6108, 0.4081, 0.3566



81.6108, 0.2420, 0.3335



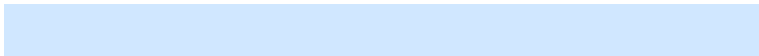
81.6108, 0.3455, 0.2844

Square

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



81.6108, 0.2420, 0.3335



81.6108, 0.2553, 0.2521



81.6108, 0.3876, 0.3184



81.6108, 0.3685, 0.4137

Rectangle

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



81.6108, 0.2420, 0.3335



81.6108, 0.2267, 0.2687



81.6108, 0.3876, 0.3184



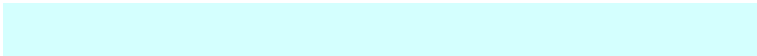
81.6108, 0.4060, 0.3809

Sweetspot

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



81.6007, 0.2420, 0.3335



92.6095, 0.2876, 0.3301



76.0099, 0.3060, 0.5162



19.6603, 0.2848, 0.3303



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.



81.6007, 0.2420, 0.3335



79.9889, 0.2345, 0.3345



45.3989, 0.2212, 0.2412



20.4725, 0.2984, 0.3296



40.9184, 0.2270, 0.3370



3.9867, 0.2267, 0.3360

Inverse Universe

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



32.8909, 0.4886, 0.3257



27.0973, 0.5455, 0.3259



53.3657, 0.4440, 0.3988



17.9951, 0.3290, 0.3284



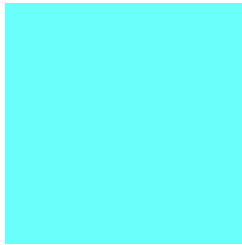
11.1202, 0.6373, 0.3285



1.0854, 0.6308, 0.3249

Previews

White Background



This preview shows how the Yxy color 81.6108, 0.2420, 0.3335 looks on a white background.

Color Contrast Check

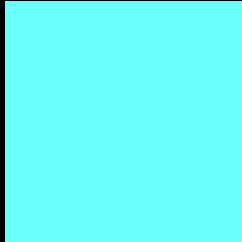
Large Text (above 18pt) WCAG AA × Fail

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 81.6108, 0.2420, 0.3335 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

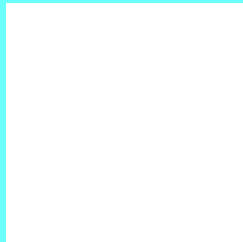
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 81.6108, 0.2420, 0.3335

Background



This preview shows how black text looks on a background with the Yxy color 81.6108, 0.2420, 0.3335.

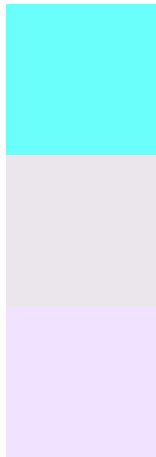


This preview shows how white text looks on a background with the Yxy color 81.6108, 0.2420, 0.3335.

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

81.6108, 0.2420, 0.3335

Protanopia

80.1422, 0.3116, 0.3228

Deuteranopia

80.3135, 0.3046, 0.3001



Tritanopia

80.9049, 0.2681, 0.3158

Trichromacy



Original Color

81.6108, 0.2420, 0.3335



Protanomaly

78.7752, 0.2799, 0.3267



Deuteranomaly

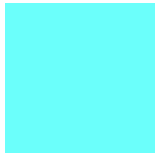
78.9306, 0.2751, 0.3106



Tritanomaly

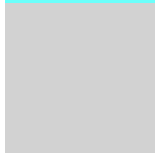
80.4496, 0.2565, 0.3210

Monochromacy



Original Color

81.6108, 0.2420, 0.3335



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 81.6108, 0.2420, 0.3335 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(107, 255, 251)` looks like.

```
.text, #text, p{  
    color:rgb(107, 255, 251)  
}
```

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(107, 255, 251) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(107, 255, 251) }
```

Border

The CSS property to change the border of an element to Yxy 81.6108, 0.2420, 0.3335 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(107, 255, 251) }
```

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

```
.border{ border-color:rgb(107, 255, 251) }
```

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

Here you see how a box with a 4 pixel `rgb(107, 255, 251)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(107, 255, 251); -webkit-box-  
shadow:4px 4px 4px 4px rgb(107, 255, 251);  
box-shadow:4px 4px 4px 4px rgb(107, 255,  
251) }
```


Background

The CSS property to change the background color of an element to Yxy 81.6108, 0.2420, 0.3335 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(107, 255, 251) }
```

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

```
.background{ background-color: rgb(107,  
255, 251) }
```

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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