

Converting Colors

$Y_{xy}(83.5944, 0.2655, 0.3220)$

Have a look what the booklet for
Yxy(83.5944, 0.2655, 0.3220)
contains.

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Color

Yxy(83.7420, 0.2653, 0.3223)

Conversions

Conversions Part 1

Format	Color
Hex	ACF9FF
RGB	172, 249, 255
RGB Percent	67%, 98%, 100%
CMY	0.3257, 0.0235, 0.0000
CMYK	0.33, 0.02, 0.00, 0.00
HSL	184°, 100%, 84%
HSV	184°, 33%, 100%
XYZ	68.9319, 83.7420, 107.1523
YIQ	226.6610, -47.8180, -14.4580

Conversions

Conversions Part 2

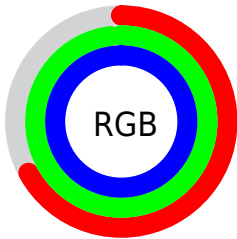
Format	Color
RYB	172, 212, 255
Decimal	11336191
CIELab	93.34, -22.06, -10.42
CIELCh	93, 24.398, 205.283
Yxy	83.7420, 0.2653, 0.3223
Android (android.graphics.Color)	4289526271 (0xFFACF9FF)
YUV	226.6610, 13.9711, -47.9377
Hunter-Lab	91.5107, -25.6856, -5.3668

Details

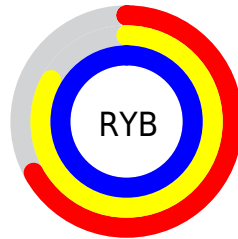
The Yxy color **83.7420, 0.2653, 0.3223** is a light color, and the websafe version is hex **99FFFF**. A complement of this color would be **56.0513, 0.3866, 0.3355**, and the grayscale version is **76.4729, 0.3127, 0.3290**.

A 20% lighter version of the original color is **95.5630, 0.2976, 0.3290**, and **45.4895, 0.2552, 0.3203** is the 20% darker color. If you saturate the color by 10%, you get **80.0006, 0.2532, 0.3200**, and if you desaturate by 10%, it is **88.0523, 0.2788, 0.3245**.

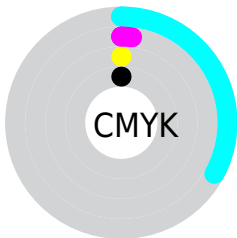
Distribution



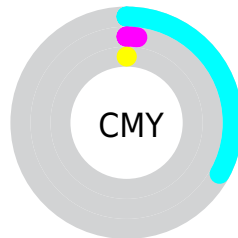
- Red (67%)
- Green (98%)
- Blue (100%)



- Red (67%)
- Yellow (83%)
- Blue (100%)



- Cyan (33%)
- Magenta (2%)
- Yellow (0%)
- Black (0%)




- Cyan (33%)
- Magenta (2%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 83.7420, 0.2653, 0.3223 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 83.7420, 0.2653, 0.3223 by changing the saturation by 10% instead.

 83.7420, 0.2653,
0.3223

 83.7420, 0.2653,
0.3223

507.4561, 0.2864,
0.3257

 62.8024, 0.2607,
0.3215


 138.6142, 0.2724,
0.3235

 45.6814, 0.2551,
0.3204


173.3157, 0.2753,
0.3240

 31.9945, 0.2482,
0.3190


213.3732, 0.2777,
0.3244

 21.3573, 0.2394,
0.3170

259.1712, 0.2799,
0.3248

 13.3854, 0.2279,
0.3143

311.0941, 0.2818,
0.3250

 7.6945, 0.2122,
0.3101

369.5263, 0.2835,

 3.9001, 0.1897,

0.3253

0.3033

434.8522, 0.2850,
0.3255

■ 1.6178, 0.1552,
0.2903

■ 0.3696, 0.0000,
0.2447

■ 83.7420, 0.2653,
0.3223

■ 83.7420, 0.2653,
0.3223

■ 80.0006, 0.2532,
0.3200

■ 88.0523, 0.2788,
0.3245

■ 76.7899, 0.2427,
0.3176

■ 92.9543, 0.2934,
0.3266

■ 74.0769, 0.2340,
0.3151

■ 98.4774, 0.3087,
0.3285

■ 71.8223, 0.2273,
0.3126

100.0000, 0.3127,
0.3290

■ 69.9809, 0.2225,
0.3101

■ 68.4976, 0.2196,
0.3077

■ 67.5674, 0.2183,
0.3059

Harmonies

Analogous

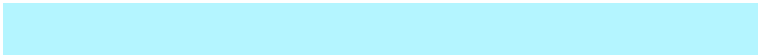
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



83.7420, 0.2830, 0.3490



83.7420, 0.2653, 0.3223



83.7420, 0.2599, 0.2991

Triad

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



83.7420, 0.2653, 0.3223



83.7420, 0.3145, 0.2920



83.7420, 0.3589, 0.3728

Complementary

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



83.7420, 0.2653, 0.3223



56.0513, 0.3866, 0.3355

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.



83.7420, 0.3685, 0.3554



83.7420, 0.2653, 0.3223



83.7420, 0.3423, 0.3097

Square

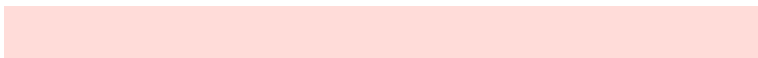
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



83.7420, 0.2653, 0.3223



83.7420, 0.2873, 0.2831



83.7420, 0.3624, 0.3324



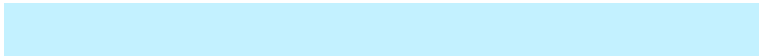
83.7420, 0.3369, 0.3790

Rectangle

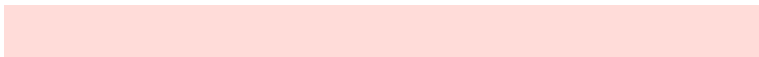
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



83.7420, 0.2653, 0.3223



83.7420, 0.2637, 0.2886



83.7420, 0.3624, 0.3324



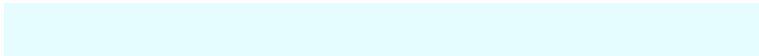
83.7420, 0.3637, 0.3680

Sweetspot

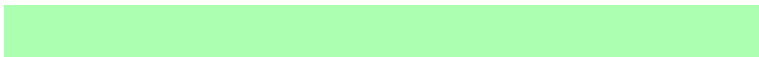
The Sweet Spot groups the original color and five complimentary colors.



83.7442, 0.2653, 0.3223



94.3131, 0.2972, 0.3271



83.4784, 0.3053, 0.4195



20.0267, 0.2951, 0.3269



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.



83.7442, 0.2653, 0.3223



81.2740, 0.2573, 0.3208



61.0657, 0.2594, 0.2750



20.2440, 0.2980, 0.3272



35.4003, 0.2184, 0.3063



3.5112, 0.2192, 0.3091

Inverse Universe

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



57.5855, 0.3212, 0.2531



51.6530, 0.3231, 0.2385



74.9051, 0.3729, 0.3774



18.2764, 0.3149, 0.3072



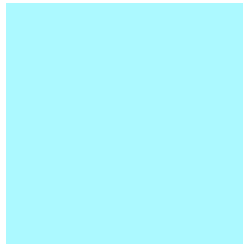
14.3016, 0.3399, 0.1646



1.3990, 0.3375, 0.1633

Previews

White Background



This preview shows how the Yxy color 83.7420, 0.2653, 0.3223 looks on a white background.

Color Contrast Check

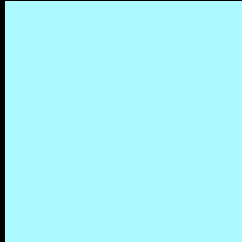
Large Text (above 18pt) WCAG AA × Fail

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 83.7420, 0.2653, 0.3223 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 83.7420, 0.2653, 0.3223

Background



This preview shows how black text looks on a background with the Yxy color 83.7420, 0.2653, 0.3223.

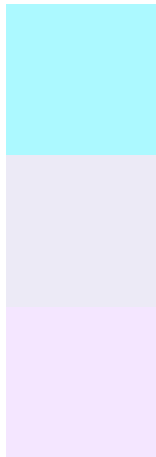


This preview shows how white text looks on a background with the Yxy color 83.7420, 0.2653, 0.3223.

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

83.7420, 0.2653, 0.3223

Protanopia

83.3323, 0.3066, 0.3168

Deuteranopia

83.0467, 0.3065, 0.3043



Tritanopia

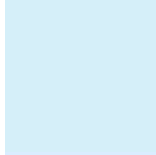
83.1418, 0.2801, 0.3152

Trichromacy



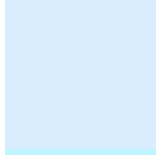
Original Color

83.7420, 0.2653, 0.3223



Protanomaly

82.7187, 0.2903, 0.3185



Deuteranomaly

82.6938, 0.2899, 0.3104



Tritanomaly

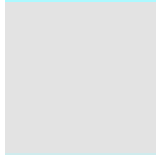
83.4720, 0.2742, 0.3182

Monochromacy



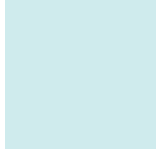
Original Color

83.7420, 0.2653, 0.3223



Achromatopsia

76.8151, 0.3127, 0.3290



Achromatomaly

78.7965, 0.2933, 0.3268

CSS Examples

Text

The CSS property to change the color of the text to Yxy 83.7420, 0.2653, 0.3223 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(172, 249, 255)` looks like.

```
.text, #text, p{  
    color:rgb(172, 249, 255)  
}
```

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(172, 249, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(172, 249, 255) }
```

Border

The CSS property to change the border of an element to Yxy 83.7420, 0.2653, 0.3223 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(172, 249, 255) }
```

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

```
.border{ border-color:rgb(172, 249, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(172, 249, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(172, 249, 255); -webkit-box-shadow:4px 4px 4px 4px rgb(172, 249, 255); box-shadow:4px 4px 4px 4px rgb(172, 249, 255) }
```


Background

The CSS property to change the background color of an element to Yxy 83.7420, 0.2653, 0.3223 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(172, 249, 255) }
```

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

```
.background{ background-color: rgb(172,  
249, 255) }
```

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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