

Converting Colors

$Y_{xy}(120.2646, 0.2643, 0.3910)$

Have a look what the booklet for
Yxy(120.2646, 0.2643, 0.3910)
contains.

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Color

Yxy(83.6628, 0.2555, 0.3391)

Conversions

Conversions Part 1

Format	Color
Hex	8BFFF6
RGB	139, 255, 246
RGB Percent	55%, 100%, 96%
CMY	0.4551, 0.0000, 0.0353
CMYK	0.46, 0.00, 0.04, 0.00
HSL	175°, 100%, 77%
HSV	175°, 46%, 100%
XYZ	63.0370, 83.6628, 100.0203
YIQ	219.2900, -66.2470, -27.3910

Conversions

Conversions Part 2

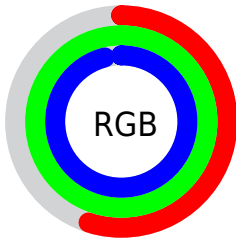
Format	Color
RYB	139, 199, 255
Decimal	9175030
CIELab	93.30, -35.10, -5.96
CIElCh	93, 35.604, 189.644
Yxy	83.6628, 0.2555, 0.3391
Android (android.graphics.Color)	4287365110 (0xFF8BFF6)
YUV	219.2900, 13.1680, -70.4143
Hunter-Lab	91.4674, -37.0502, -0.8070

Details

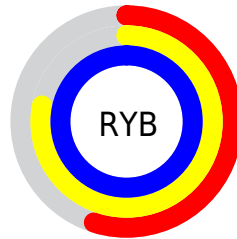
The Yxy color **83.6628, 0.2555, 0.3391** is a light color, and the websafe version is hex **99FFFF**. A complement of this color would be **41.8494, 0.4267, 0.3200**, and the grayscale version is **70.9823, 0.3127, 0.3290**.

A 20% lighter version of the original color is **90.7458, 0.2794, 0.3289**, and **45.7256, 0.2432, 0.3408** is the 20% darker color. If you saturate the color by 10%, you get **81.5948, 0.2469, 0.3417**, and if you desaturate by 10%, it is **86.2376, 0.2658, 0.3366**.

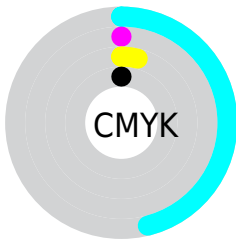
Distribution



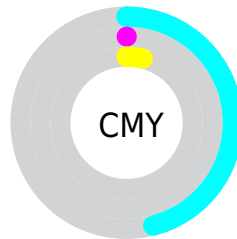
- Red (55%)
- Green (100%)
- Blue (96%)



- Red (55%)
- Yellow (78%)
- Blue (100%)



- Cyan (46%)
- Magenta (0%)
- Yellow (4%)
- Black (0%)





- Cyan (46%)
- Magenta (0%)
- Yellow (4%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 83.6628, 0.2555, 0.3391 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 83.6628, 0.2555, 0.3391 by changing the saturation by 10% instead.


 83.6628, 0.2555,
0.3391


 83.6628, 0.2555,
0.3391


507.1928, 0.2809,
0.3350

 62.7371, 0.2499,
0.3399


 138.5034, 0.2641,
0.3378

 45.6285, 0.2432,
0.3409


 173.1870, 0.2675,
0.3372

 31.9528, 0.2348,
0.3420


213.2255, 0.2705,
0.3368

 21.3254, 0.2242,
0.3432

259.0030, 0.2731,
0.3363

 13.3621, 0.2104,
0.3447

310.9042, 0.2754,
0.3359

 7.6784, 0.1915,
0.3463

369.3132, 0.2775,

 3.8898, 0.1647,

0.3356

0.3477

434.6147, 0.2793,
0.3353

1.6121, 0.1178,
0.3498

0.3658, 0.0000,
0.3097

83.6628, 0.2555,
0.3391

83.6628, 0.2555,
0.3391

81.5948, 0.2469,
0.3417

86.2376, 0.2658,
0.3366

80.0069, 0.2402,
0.3443

89.3613, 0.2777,
0.3343

78.8551, 0.2355,
0.3470

93.0607, 0.2907,
0.3321

78.0918, 0.2327,
0.3496

97.3634, 0.3047,
0.3300

■ 77.6580, 0.2316,
0.3522

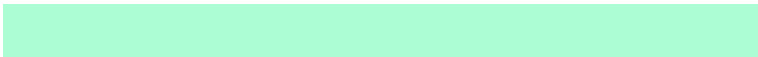
100.0000, 0.3127,
0.3290

■ 77.5321, 0.2315,
0.3534

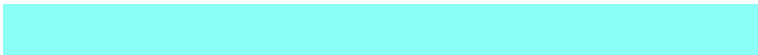
Harmonies

Analogous

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



83.6628, 0.2877, 0.3773



83.6628, 0.2555, 0.3391



83.6628, 0.2387, 0.3007

Triad

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



83.6628, 0.2555, 0.3391



83.6628, 0.2934, 0.2680



83.6628, 0.3900, 0.3796

Complementary

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



83.6628, 0.2555, 0.3391



41.8494, 0.4267, 0.3200

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.



83.6628, 0.3928, 0.3488



83.6628, 0.2555, 0.3391



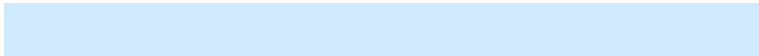
83.6628, 0.3349, 0.2869

Square

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



83.6628, 0.2555, 0.3391



83.6628, 0.2594, 0.2628



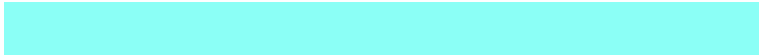
83.6628, 0.3722, 0.3157



83.6628, 0.3657, 0.3998

Rectangle

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



83.6628, 0.2555, 0.3391



83.6628, 0.2376, 0.2810



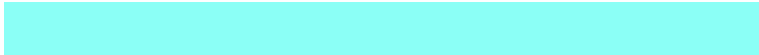
83.6628, 0.3722, 0.3157



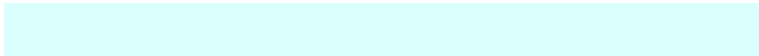
83.6628, 0.3936, 0.3701

Sweetspot

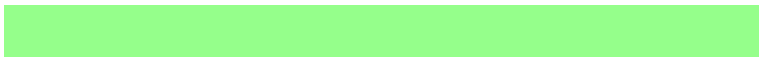
The Sweet Spot groups the original color and five complimentary colors.



83.6597, 0.2555, 0.3391



93.6698, 0.2928, 0.3317



79.7374, 0.3112, 0.4704



19.8634, 0.2899, 0.3322



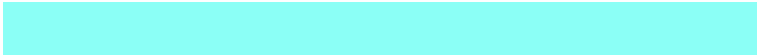
0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

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



83.6597, 0.2555, 0.3391



81.6876, 0.2473, 0.3415



57.1610, 0.2413, 0.2709



20.4557, 0.2990, 0.3308



40.5224, 0.2314, 0.3530



3.9525, 0.2306, 0.3500

Inverse Universe

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



41.8494, 0.4267, 0.3200



34.9610, 0.4656, 0.3187



58.7946, 0.4114, 0.3795



18.0099, 0.3282, 0.3272



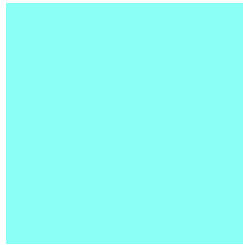
11.1428, 0.6320, 0.3255



1.0925, 0.6145, 0.3159

Previews

White Background



This preview shows how the Yxy color 83.6628, 0.2555, 0.3391 looks on a white background.

Color Contrast Check

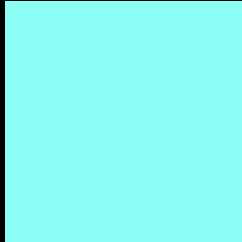
Large Text (above 18pt) WCAG AA × Fail

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 83.6628, 0.2555, 0.3391 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 83.6628, 0.2555, 0.3391

Background



This preview shows how black text looks on a background with the Yxy color 83.6628, 0.2555, 0.3391.

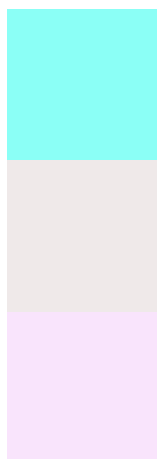


This preview shows how white text looks on a background with the Yxy color 83.6628, 0.2555, 0.3391.

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

83.6628, 0.2555, 0.3391

Protanopia

82.5117, 0.3168, 0.3290

Deuteranopia

82.6548, 0.3118, 0.3054



Tritanopia

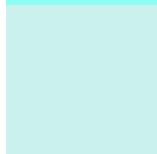
83.3907, 0.2763, 0.3172

Trichromacy



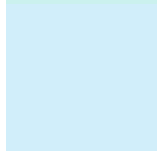
Original Color

83.6628, 0.2555, 0.3391



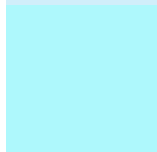
Protanomaly

81.7802, 0.2905, 0.3322



Deuteranomaly

81.6065, 0.2873, 0.3163



Tritanomaly

83.1617, 0.2676, 0.3245

Monochromacy



Original Color

83.6628, 0.2555, 0.3391



Achromatopsia

70.8376, 0.3127, 0.3290



Achromatomaly

74.3175, 0.2872, 0.3323

CSS Examples

Text

The CSS property to change the color of the text to Yxy 83.6628, 0.2555, 0.3391 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(139, 255, 246)` looks like.

```
.text, #text, p{  
    color:rgb(139, 255, 246)  
}
```

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(139, 255, 246) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(139, 255, 246) }
```

Border

The CSS property to change the border of an element to Yxy 83.6628, 0.2555, 0.3391 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(139, 255, 246) }
```

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

```
.border{ border-color:rgb(139, 255, 246) }
```

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

Here you see how a box with a 4 pixel `rgb(139, 255, 246)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(139, 255, 246); -webkit-box-  
shadow:4px 4px 4px 4px rgb(139, 255, 246);  
box-shadow:4px 4px 4px 4px rgb(139, 255,  
246) }
```


Background

The CSS property to change the background color of an element to Yxy 83.6628, 0.2555, 0.3391 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(139, 255, 246) }
```

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

```
.background{ background-color: rgb(139,  
255, 246) }
```

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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