

Converting Colors

$Y_{xy}(83.7179, 0.2632, 0.3394)$

Have a look what the booklet for
Yxy(83.7179, 0.2632, 0.3394)
contains.

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Color

Yxy(83.7508, 0.2630, 0.3390)

Conversions

Conversions Part 1

Format	Color
Hex	9BFD4
RGB	155, 253, 244
RGB Percent	61%, 99%, 96%
CMY	0.3921, 0.0078, 0.0431
CMYK	0.39, 0.00, 0.04, 0.01
HSL	174°, 96%, 80%
HSV	174°, 39%, 99%
XYZ	64.9748, 83.7508, 98.3269
YIQ	222.6720, -55.5190, -23.5750

Conversions

Conversions Part 2

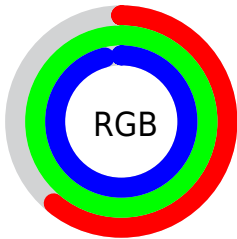
Format	Color
R _Y B	155, 206, 253
Decimal	10223092
CIE Lab	93.34, -30.84, -4.79
CIE LCh	93, 31.214, 188.836
Yxy	83.7508, 0.2630, 0.3390
Android (android.graphics.Color)	4288413172 (0xFF9BFDF4)
YUV	222.6720, 10.5147, -59.3483
Hunter-Lab	91.5155, -33.4193, 0.3579

Details

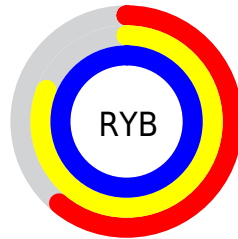
The Yxy color **83.7508, 0.2630, 0.3390** is a light color, and the websafe version is hex **99FFFF**. A complement of this color would be **47.0155, 0.4008, 0.3197**, and the grayscale version is **73.5063, 0.3127, 0.3290**.

A 20% lighter version of the original color is **92.8861, 0.2877, 0.3289**, and **45.7074, 0.2523, 0.3407** is the 20% darker color. If you saturate the color by 10%, you get **81.3668, 0.2533, 0.3420**, and if you desaturate by 10%, it is **86.6676, 0.2742, 0.3361**.

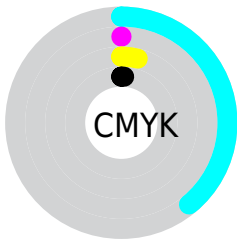
Distribution



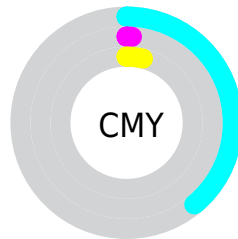
- Red (61%)
- Green (99%)
- Blue (96%)



- Red (61%)
- Yellow (81%)
- Blue (99%)



- Cyan (39%)
- Magenta (0%)
- Yellow (4%)
- Black (1%)



- Cyan (39%)
- Magenta (1%)
- Yellow (4%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 83.7508, 0.2630, 0.3390 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 83.7508, 0.2630, 0.3390 by changing the saturation by 10% instead.

 83.7508, 0.2630,
0.3390


 83.7508, 0.2630,
0.3390


507.4853, 0.2852,
0.3348

 62.8097, 0.2581,
0.3399

 138.6265, 0.2705,
0.3376

 45.6873, 0.2522,
0.3409


 173.3300, 0.2735,
0.3371

 31.9991, 0.2449,
0.3421


213.3896, 0.2761,
0.3366

 21.3608, 0.2355,
0.3436

259.1899, 0.2784,
0.3361

 13.3880, 0.2232,
0.3453

311.1153, 0.2804,
0.3358

 7.6963, 0.2064,
0.3475


369.5500, 0.2821,


 3.9012, 0.1822,

0.3354

0.3500

434.8786, 0.2837,
0.3351


 1.6185, 0.1421,
0.3532

 0.3700, 0.0000,
0.3339


 83.7508, 0.2630,
0.3390


 83.7508, 0.2630,
0.3390


 81.3668, 0.2533,
0.3420


 86.6676, 0.2742,
0.3361

 79.4727, 0.2454,
0.3451

 90.1374, 0.2868,
0.3335

 78.0350, 0.2394,
0.3483

 94.1914, 0.3003,
0.3310

 77.0117, 0.2354,
0.3515

 98.6222, 0.3138,
0.3287

■ 76.3533, 0.2333,
0.3546

98.7314, 0.3128,
0.3271

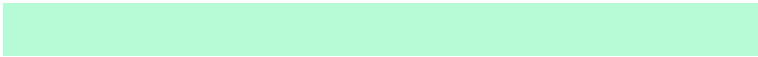
■ 75.9883, 0.2328,
0.3578

■ 75.9508, 0.2328,
0.3581

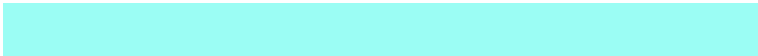
Harmonies

Analogous

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



83.7508, 0.2918, 0.3717



83.7508, 0.2630, 0.3390



83.7508, 0.2476, 0.3053

Triad

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



83.7508, 0.2630, 0.3390



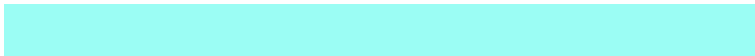
83.7508, 0.2950, 0.2747



83.7508, 0.3809, 0.3733

Complementary

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



83.7508, 0.2630, 0.3390



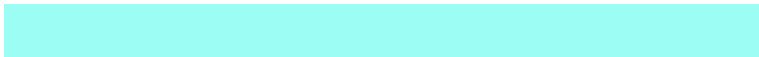
47.0155, 0.4008, 0.3197

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.



83.7508, 0.3826, 0.3461



83.7508, 0.2630, 0.3390



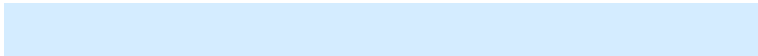
83.7508, 0.3313, 0.2912

Square

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



83.7508, 0.2630, 0.3390



83.7508, 0.2651, 0.2706



83.7508, 0.3641, 0.3167



83.7508, 0.3602, 0.3908

Rectangle

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



83.7508, 0.2630, 0.3390



83.7508, 0.2463, 0.2877



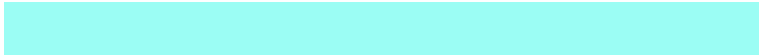
83.7508, 0.3641, 0.3167



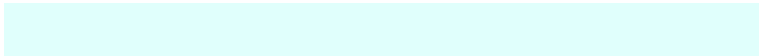
83.7508, 0.3838, 0.3650

Sweetspot

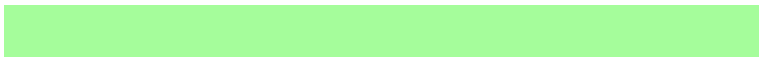
The Sweet Spot groups the original color and five complimentary colors.



83.7541, 0.2630, 0.3390



94.4715, 0.2958, 0.3318



80.5992, 0.3128, 0.4460



20.1036, 0.2940, 0.3321



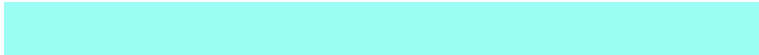
0.0000, 0.0000, 0.0000



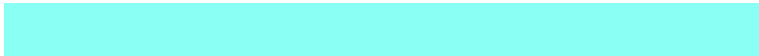
21.4041, 0.3127, 0.3290

Same Dimension

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



83.7541, 0.2630, 0.3390



83.4429, 0.2558, 0.3412



62.0606, 0.2519, 0.2830



20.4510, 0.2992, 0.3312



40.4142, 0.2327, 0.3576



3.9431, 0.2317, 0.3540

Inverse Universe

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



47.0155, 0.4008, 0.3197



41.5043, 0.4267, 0.3181



61.9301, 0.3933, 0.3704



18.0142, 0.3280, 0.3268



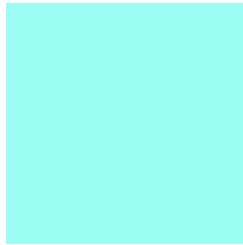
11.1511, 0.6300, 0.3244



1.0945, 0.6101, 0.3134

Previews

White Background



This preview shows how the Yxy color 83.7508, 0.2630, 0.3390 looks on a white background.

Color Contrast Check

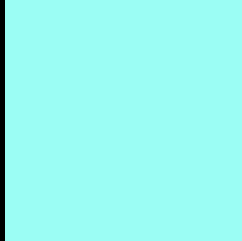
Large Text (above 18pt) WCAG AA × Fail

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 83.7508, 0.2630, 0.3390 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

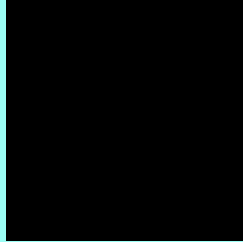
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 83.7508, 0.2630, 0.3390

Background



This preview shows how black text looks on a background with the Yxy color 83.7508, 0.2630, 0.3390.

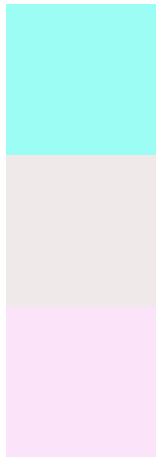


This preview shows how white text looks on a background with the Yxy color 83.7508, 0.2630, 0.3390.

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

83.7508, 0.2630, 0.3390

Protanopia

83.0796, 0.3167, 0.3300

Deuteranopia

82.8356, 0.3150, 0.3084



Tritanopia

83.1915, 0.2779, 0.3162

Trichromacy



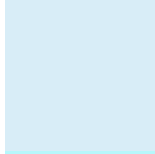
Original Color

83.7508, 0.2630, 0.3390



Protanomaly

82.4349, 0.2941, 0.3332



Deuteranomaly

81.8827, 0.2932, 0.3185



Tritanomaly

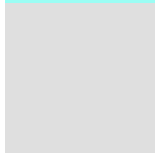
83.4316, 0.2722, 0.3245

Monochromacy



Original Color

83.7508, 0.2630, 0.3390



Achromatopsia

73.7910, 0.3127, 0.3290



Achromatomaly

76.6209, 0.2911, 0.3323

CSS Examples

Text

The CSS property to change the color of the text to Yxy 83.7508, 0.2630, 0.3390 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(155, 253, 244)` looks like.

```
.text, #text, p{  
    color:rgb(155, 253, 244)  
}
```

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(155, 253, 244) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(155, 253, 244) }
```

Border

The CSS property to change the border of an element to Yxy 83.7508, 0.2630, 0.3390 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(155, 253, 244) }
```

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

```
.border{ border-color:rgb(155, 253, 244) }
```

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

Here you see how a box with a 4 pixel `rgb(155, 253, 244)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(155, 253, 244); -webkit-box-  
shadow:4px 4px 4px 4px rgb(155, 253, 244);  
box-shadow:4px 4px 4px 4px rgb(155, 253,  
244) }
```


Background

The CSS property to change the background color of an element to Yxy 83.7508, 0.2630, 0.3390 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(155, 253, 244) }
```

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

```
.background{ background-color: rgb(155,  
253, 244) }
```

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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