

Converting Colors

$Yxy(82.9744, 0.2722, 0.3358)$

Have a look what the booklet for
Yxy(82.9744, 0.2722, 0.3358)
contains.

Yxy(83.1608, 0.2727, 0.3366)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(83.1608, 0.2727, 0.3366)

Conversions

Conversions Part 1

Format	Color
Hex	AEF9F2
RGB	174, 249, 242
RGB Percent	68%, 98%, 95%
CMY	0.3173, 0.0236, 0.0509
CMYK	0.30, 0.00, 0.03, 0.02
HSL	174°, 86%, 83%
HSV	174°, 30%, 98%
XYZ	67.3736, 83.1608, 96.5268
YIQ	225.7770, -42.4530, -18.0770

Conversions

Conversions Part 2

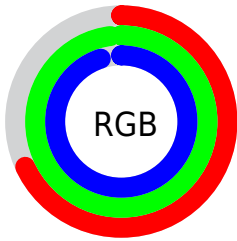
Format	Color
RYB	174, 213, 249
Decimal	11467250
CIELab	93.08, -24.38, -4.05
CIElCh	93, 24.713, 189.436
Yxy	83.1608, 0.2727, 0.3366
Android (android.graphics.Color)	4289657330 (0xFFAEF9F2)
YUV	225.7770, 7.9979, -45.4084
Hunter-Lab	91.1925, -27.7101, 1.0766

Details

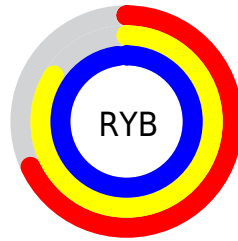
The Yxy color **83.1608, 0.2727, 0.3366** is a light color, and the websafe version is hex **99FFFF**. A complement of this color would be **53.7767, 0.3743, 0.3217**, and the grayscale version is **75.8618, 0.3127, 0.3290**.

A 20% lighter version of the original color is **95.7289, 0.2982, 0.3290**, and **45.1664, 0.2640, 0.3376** is the 20% darker color. If you saturate the color by 10%, you get **80.4248, 0.2617, 0.3395**, and if you desaturate by 10%, it is **86.4353, 0.2851, 0.3339**.

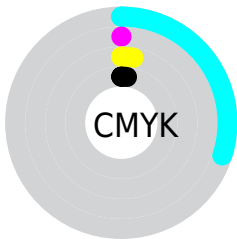
Distribution



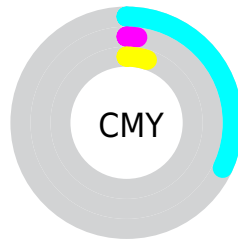
- Red (68%)
- Green (98%)
- Blue (95%)



- Red (68%)
- Yellow (84%)
- Blue (98%)



- Cyan (30%)
- Magenta (0%)
- Yellow (3%)
- Black (2%)





- Cyan (32%)
- Magenta (2%)
- Yellow (5%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 83.1608, 0.2727, 0.3366 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 83.1608, 0.2727, 0.3366 by changing the saturation by 10% instead.


 83.1608, 0.2727,
0.3366

 83.1608, 0.2727,
0.3366


505.5223, 0.2906,
0.3334

 62.3228, 0.2687,
0.3373


 137.8007, 0.2788,
0.3355

 45.2936, 0.2639,
0.3381


172.3713, 0.2812,
0.3351

 31.6887, 0.2579,
0.3390


212.2883, 0.2833,
0.3347

 21.1239, 0.2503,
0.3402

257.9360, 0.2851,
0.3344

 13.2146, 0.2401,
0.3417

309.6989, 0.2867,
0.3341

 7.5765, 0.2261,
0.3435

367.9613, 0.2882,

 3.8252, 0.2056,

0.3338

0.3458

433.1076, 0.2895,
0.3336

■ 1.5762, 0.1728,
0.3484

■ 0.3415, 0.0000,
0.3427

■ 83.1608, 0.2727,
0.3366

■ 83.1608, 0.2727,
0.3366

■ 80.4248, 0.2617,
0.3395

■ 86.4353, 0.2851,
0.3339

■ 78.1881, 0.2522,
0.3426


■ 90.2654, 0.2985,
0.3313


■ 76.4216, 0.2446,
0.3457

■ 94.6797, 0.3126,
0.3290

■ 75.0897, 0.2389,
0.3489


■ 95.9870, 0.3152,
0.3268

 74.1510, 0.2351,
0.3521

 96.1340, 0.3138,
0.3246

 73.5567, 0.2333,
0.3553

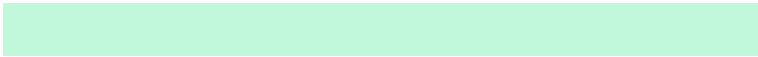
 96.2242, 0.3130,
0.3233

 73.2274, 0.2329,
0.3585

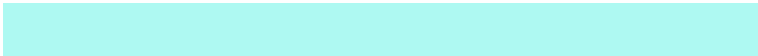
Harmonies

Analogous

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



83.1608, 0.2958, 0.3621



83.1608, 0.2727, 0.3366



83.1608, 0.2603, 0.3102

Triad

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



83.1608, 0.2727, 0.3366



83.1608, 0.2993, 0.2854



83.1608, 0.3667, 0.3652

Complementary

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



83.1608, 0.2727, 0.3366



53.7767, 0.3743, 0.3217

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.



83.1608, 0.3681, 0.3437



83.1608, 0.2727, 0.3366



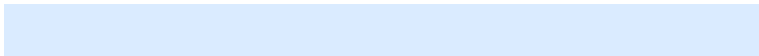
83.1608, 0.3282, 0.2990

Square

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



83.1608, 0.2727, 0.3366



83.1608, 0.2751, 0.2821



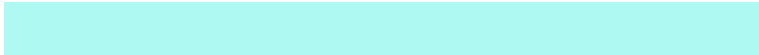
83.1608, 0.3538, 0.3199



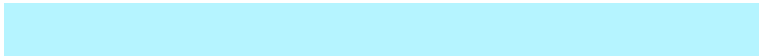
83.1608, 0.3503, 0.3782

Rectangle

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



83.1608, 0.2727, 0.3366



83.1608, 0.2594, 0.2960



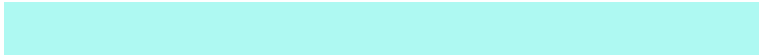
83.1608, 0.3538, 0.3199



83.1608, 0.3690, 0.3587

Sweetspot

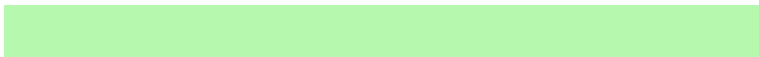
The Sweet Spot groups the original color and five complimentary colors.



83.1642, 0.2727, 0.3366



95.7676, 0.2999, 0.3311



80.6956, 0.3132, 0.4162



20.3620, 0.2979, 0.3314



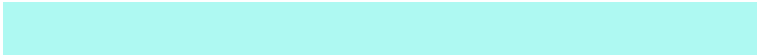
0.0000, 0.0000, 0.0000



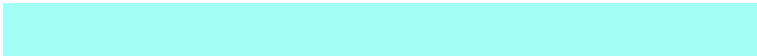
21.4041, 0.3127, 0.3290

Same Dimension

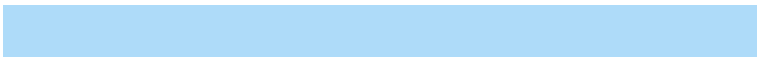
The Same Dimension uses a secret algorithm to generate beautiful new colors.



83.1642, 0.2727, 0.3366



86.0105, 0.2659, 0.3383



66.5215, 0.2654, 0.2947



19.5792, 0.2993, 0.3312



39.2130, 0.2328, 0.3579



3.6397, 0.2317, 0.3541

Inverse Universe

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



53.7767, 0.3743, 0.3217



50.4936, 0.3919, 0.3203



66.4017, 0.3712, 0.3609



17.2514, 0.3279, 0.3268



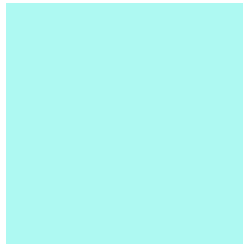
10.8226, 0.6298, 0.3243



1.0109, 0.6086, 0.3126

Previews

White Background



This preview shows how the Yxy color 83.1608, 0.2727, 0.3366 looks on a white background.

Color Contrast Check

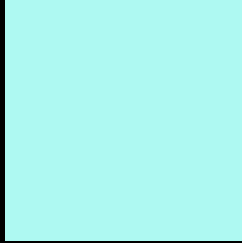
Large Text (above 18pt) WCAG AA × Fail

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 83.1608, 0.2727, 0.3366 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

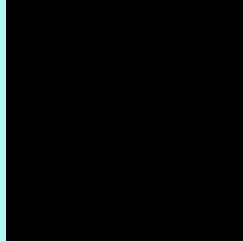
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

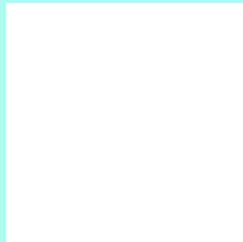
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 83.1608, 0.2727, 0.3366

Background



This preview shows how black text looks on a background with the Yxy color 83.1608, 0.2727, 0.3366.

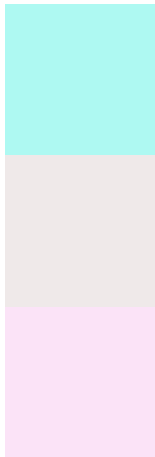


This preview shows how white text looks on a background with the Yxy color 83.1608, 0.2727, 0.3366.

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

83.1608, 0.2727, 0.3366

Protanopia

82.5117, 0.3168, 0.3290

Deuteranopia

82.1628, 0.3164, 0.3093



Tritanopia

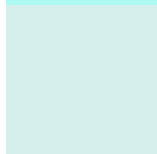
83.0036, 0.2795, 0.3152

Trichromacy



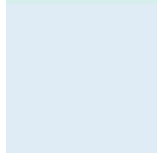
Original Color

83.1608, 0.2727, 0.3366



Protanomaly

82.2362, 0.2990, 0.3321



Deuteranomaly

81.6972, 0.2988, 0.3186



Tritanomaly

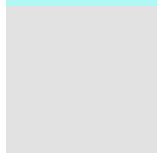
83.2833, 0.2773, 0.3235

Monochromacy



Original Color

83.1608, 0.2727, 0.3366



Achromatopsia

76.0525, 0.3127, 0.3290



Achromatomaly

77.9372, 0.2962, 0.3311

CSS Examples

Text

The CSS property to change the color of the text to Yxy 83.1608, 0.2727, 0.3366 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(174, 249, 242)` looks like.

```
.text, #text, p{  
    color:rgb(174, 249, 242)  
}
```

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(174, 249, 242) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(174, 249, 242) }
```

Border

The CSS property to change the border of an element to Yxy 83.1608, 0.2727, 0.3366 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(174, 249, 242) }
```

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

```
.border{ border-color:rgb(174, 249, 242) }
```

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

Here you see how a box with a 4 pixel `rgb(174, 249, 242)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(174, 249, 242); -webkit-box-  
shadow:4px 4px 4px 4px rgb(174, 249, 242);  
box-shadow:4px 4px 4px 4px rgb(174, 249,  
242) }
```


Background

The CSS property to change the background color of an element to Yxy 83.1608, 0.2727, 0.3366 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(174, 249, 242) }
```

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

```
.background{ background-color: rgb(174,  
249, 242) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor