

Converting Colors

$Yxy(81.2525, 0.2618, 0.3695)$

Have a look what the booklet for
Yxy(81.2525, 0.2618, 0.3695)
contains.

Yxy(81.2525, 0.2618, 0.3695)	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(81.2525, 0.2618, 0.3695)

Conversions

Conversions Part 1

Format	Color
Hex	7FFFDD
RGB	127, 255, 221
RGB Percent	50%, 100%, 87%
CMY	0.5018, 0.0000, 0.1332
CMYK	0.50, 0.00, 0.13, 0.00
HSL	164°, 100%, 75%
HSV	164°, 50%, 100%
XYZ	57.5694, 81.2525, 81.0766
YIQ	212.8520, -65.3740, -37.7100

Conversions

Conversions Part 2

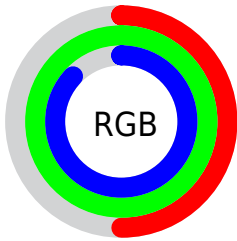
Format	Color
RYB	127, 201, 255
Decimal	8388573
CIELab	92.24, -43.52, 5.35
CIELCh	92, 43.850, 172.991
Yxy	81.2525, 0.2618, 0.3695
Android (android.graphics.Color)	4286578653 (0xFF7FFFDD)
YUV	212.8520, 4.0170, -75.2922
Hunter-Lab	90.1402, -43.7435, 9.7697

Details

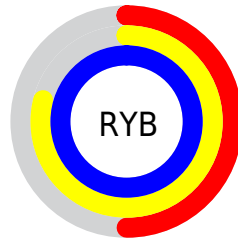
The Yxy color **81.2525, 0.2618, 0.3695** is a light color, and the websafe version is hex **99FFCC**. A complement of this color would be **39.0190, 0.4167, 0.2942**, and the grayscale version is **66.4483, 0.3127, 0.3290**.

A 20% lighter version of the original color is **89.3048, 0.2736, 0.3289**, and **44.1981, 0.2502, 0.3797** is the 20% darker color. If you saturate the color by 10%, you get **79.1852, 0.2555, 0.3792**, and if you desaturate by 10%, it is **83.8362, 0.2698, 0.3602**.

Distribution



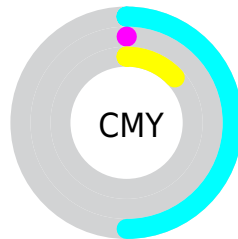
- Red (50%)
- Green (100%)
- Blue (87%)



- Red (50%)
- Yellow (79%)
- Blue (100%)



- Cyan (50%)
- Magenta (0%)
- Yellow (13%)
- Black (0%)





- Cyan (50%)
- Magenta (0%)
- Yellow (13%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 81.2525, 0.2618, 0.3695 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 81.2525, 0.2618, 0.3695 by changing the saturation by 10% instead.


 81.2525, 0.2618,
0.3695


 81.2525, 0.2618,
0.3695


499.1439, 0.2850,
0.3508

 60.7496, 0.2566,
0.3738


 135.1253, 0.2698,
0.3630

 44.0231, 0.2502,
0.3791

 169.2639, 0.2729,
0.3605

 30.6887, 0.2422,
0.3858


 208.7165, 0.2756,
0.3583

 20.3619, 0.2319,
0.3945

253.8676, 0.2779,
0.3564

 12.6584, 0.2182,
0.4064

305.1015, 0.2800,
0.3547

 7.1937, 0.1989,
0.4234

362.8025, 0.2819,

 3.5836, 0.1704,

0.3532

0.4497

427.3552, 0.2835,
0.3519

■ 1.4434, 0.0813,
0.5196

■ 0.2484, 0.0000,
1.0000

■ 81.2525, 0.2618,
0.3695

■ 81.2525, 0.2618,
0.3695

■ 79.1852, 0.2555,
0.3792

■ 83.8362, 0.2698,
0.3602

■ 77.5863, 0.2512,
0.3892


■ 86.9609, 0.2791,
0.3514

■ 76.4152, 0.2488,
0.3993

■ 90.6612, 0.2895,
0.3433

■ 75.6196, 0.2485,
0.4094

■ 94.9659, 0.3008,
0.3359

 75.1207, 0.2498,
0.4192

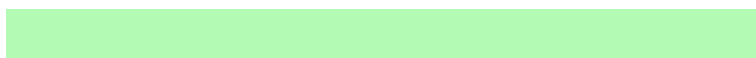
99.9018, 0.3125,
0.3291

99.9994, 0.3127,
0.3290

Harmonies

Analogous

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



81.2525, 0.3081, 0.4096



81.2525, 0.2618, 0.3695



81.2525, 0.2306, 0.3183

Triad

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



81.2525, 0.2618, 0.3695



81.2525, 0.2636, 0.2489



81.2525, 0.4145, 0.3697

Complementary

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



81.2525, 0.2618, 0.3695



39.0190, 0.4167, 0.2942

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.



81.2525, 0.4017, 0.3295



81.2525, 0.2618, 0.3695



81.2525, 0.3108, 0.2631

Square

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



81.2525, 0.2618, 0.3695



81.2525, 0.2318, 0.2525



81.2525, 0.3624, 0.2918



81.2525, 0.3975, 0.4041

Rectangle

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



81.2525, 0.2618, 0.3695



81.2525, 0.2213, 0.2883



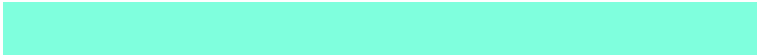
81.2525, 0.3624, 0.2918



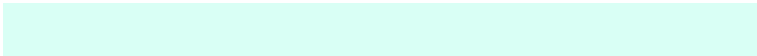
81.2525, 0.4136, 0.3565

Sweetspot

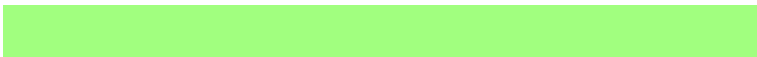
The Sweet Spot groups the original color and five complimentary colors.



81.2557, 0.2618, 0.3695



92.8167, 0.2953, 0.3394



80.6455, 0.3238, 0.4807



19.6748, 0.2929, 0.3410



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.



81.2557, 0.2618, 0.3695



79.2197, 0.2556, 0.3790



65.6599, 0.2402, 0.2933



20.3943, 0.3016, 0.3354



39.2786, 0.2493, 0.4175



3.8425, 0.2461, 0.4061

Inverse Universe

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



39.0190, 0.4167, 0.2942



32.7341, 0.4501, 0.2894



46.8690, 0.4390, 0.3602



18.0662, 0.3252, 0.3227



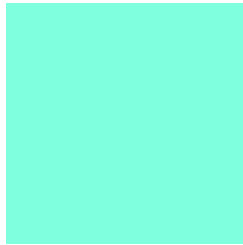
11.3457, 0.5886, 0.3016



1.1219, 0.5569, 0.2841

Previews

White Background



This preview shows how the Yxy color 81.2525, 0.2618, 0.3695 looks on a white background.

Color Contrast Check

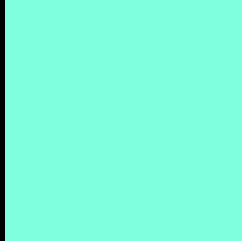
Large Text (above 18pt) WCAG AA × Fail

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 81.2525, 0.2618, 0.3695 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

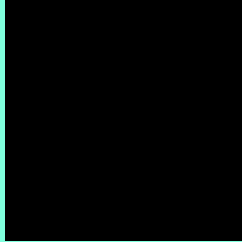
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 81.2525, 0.2618, 0.3695

Background



This preview shows how black text looks on a background with the Yxy color 81.2525, 0.2618, 0.3695.



This preview shows how white text looks on a background with the Yxy color 81.2525, 0.2618, 0.3695.

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

81.2525, 0.2618, 0.3695

Protanopia

79.8485, 0.3348, 0.3519

Deuteranopia

80.1727, 0.3321, 0.3251



Tritanopia

80.6693, 0.2696, 0.3147

Trichromacy



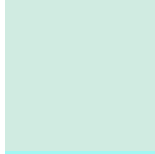
Original Color

81.2525, 0.2618, 0.3695



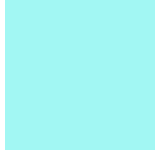
Protanomaly

78.8165, 0.3029, 0.3580



Deuteranomaly

78.2628, 0.3010, 0.3399



Tritanomaly

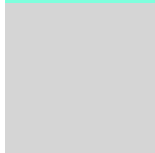
80.6740, 0.2659, 0.3334

Monochromacy



Original Color

81.2525, 0.2618, 0.3695



Achromatopsia

66.5387, 0.3127, 0.3290



Achromatomaly

70.3898, 0.2896, 0.3430

CSS Examples

Text

The CSS property to change the color of the text to Yxy 81.2525, 0.2618, 0.3695 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(127, 255, 221)` looks like.

```
.text, #text, p{  
    color:rgb(127, 255, 221)  
}
```

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(127, 255, 221) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(127, 255, 221) }
```

Border

The CSS property to change the border of an element to Yxy 81.2525, 0.2618, 0.3695 is called "border". The border property can be set on classes, ids or directly on the HTML element.

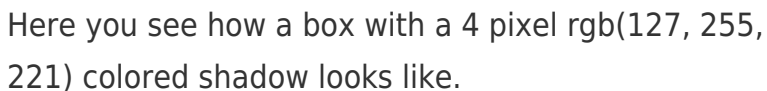
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(127, 255, 221) }
```

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

```
.border{ border-color:rgb(127, 255, 221) }
```

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



Here you see how a box with a 4 pixel rgb(127, 255, 221) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(127, 255, 221); -webkit-box-  
shadow:4px 4px 4px 4px rgb(127, 255, 221);  
box-shadow:4px 4px 4px 4px rgb(127, 255,  
221) }
```


Background

The CSS property to change the background color of an element to Yxy 81.2525, 0.2618, 0.3695 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(127, 255, 221) }
```

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

```
.background{ background-color: rgb(127,  
255, 221) }
```

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