

Converting Colors

$Yxy(84.6264, 0.2315, 0.2896)$

Have a look what the booklet for
Yxy(84.6264, 0.2315, 0.2896)
contains.

Yxy(82.2412, 0.2451, 0.3277)	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(82.2412, 0.2451, 0.3277)

Conversions

Conversions Part 1

Format	Color
Hex	7AFEFF
RGB	122, 254, 255
RGB Percent	48%, 100%, 100%
CMY	0.5216, 0.0039, 0.0001
CMYK	0.52, 0.00, 0.00, 0.00
HSL	180°, 100%, 74%
HSV	180°, 52%, 100%
XYZ	61.5115, 82.2412, 107.2122
YIQ	214.6460, -78.9930, -27.6730

Conversions

Conversions Part 2

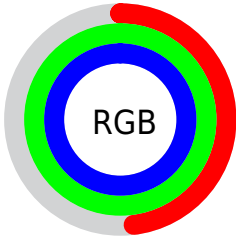
Format	Color
RYB	122, 188, 255
Decimal	8060671
CIELab	92.68, -35.96, -11.59
CIELCh	93, 37.785, 197.863
Yxy	82.2412, 0.2451, 0.3277
Android (android.graphics.Color)	4286250751 (0xFF7AFEFF)
YUV	214.6460, 19.8945, -81.2505
Hunter-Lab	90.6869, -37.6284, -6.6132

Details

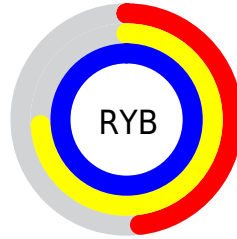
The Yxy color **82.2412, 0.2451, 0.3277** is a light color, and the websafe version is hex **66FFFF**. A complement of this color would be **36.8112, 0.4651, 0.3304**, and the grayscale version is **67.6045, 0.3127, 0.3290**.

A 20% lighter version of the original color is **88.9303, 0.2721, 0.3289**, and **44.7398, 0.2310, 0.3273** is the 20% darker color. If you saturate the color by 10%, you get **80.5045, 0.2372, 0.3274**, and if you desaturate by 10%, it is **84.4724, 0.2550, 0.3280**.

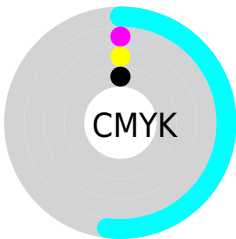
Distribution



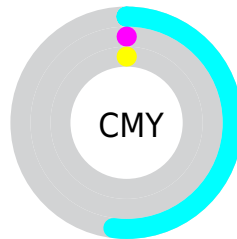
- Red (48%)
- Green (100%)
- Blue (100%)



- Red (48%)
- Yellow (74%)
- Blue (100%)



- Cyan (52%)
- Magenta (0%)
- Yellow (0%)
- Black (0%)





- Cyan (52%)
- Magenta (0%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 82.2412, 0.2451, 0.3277 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 82.2412, 0.2451, 0.3277 by changing the saturation by 10% instead.


 82.2412, 0.2451,
0.3277


 82.2412, 0.2451,
0.3277


502.4541, 0.2750,
0.3291


 61.5644, 0.2386,
0.3272

 136.5122, 0.2552,
0.3283

 44.6808, 0.2308,
0.3265


 170.8751, 0.2592,
0.3285

 31.2061, 0.2211,
0.3256


 210.5689, 0.2627,
0.3287

 20.7558, 0.2089,
0.3241

255.9779, 0.2658,
0.3288

 12.9456, 0.1931,
0.3218

307.4866, 0.2685,
0.3289

 7.3911, 0.1719,
0.3179

365.4792, 0.2709,

 3.7079, 0.1424,

0.3290

430.3403, 0.2730,
0.3290

0.3106

1.5115, 0.0901,
0.2985

0.2968, 0.0000,
0.2061

82.2412, 0.2451,
0.3277

82.2412, 0.2451,
0.3277

80.5045, 0.2372,
0.3274

84.4724, 0.2550,
0.3280

79.2139, 0.2312,
0.3272


87.2234, 0.2666,
0.3282


78.3273, 0.2271,
0.3269

90.5292, 0.2797,
0.3285

77.7905, 0.2249,
0.3267

94.4187, 0.2940,
0.3287

 77.5506, 0.2240,
0.3265

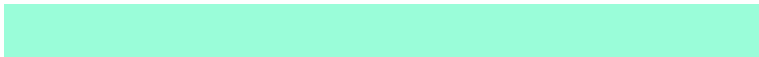
 98.9192, 0.3093,
0.3290

99.9980, 0.3127,
0.3290

Harmonies

Analogous

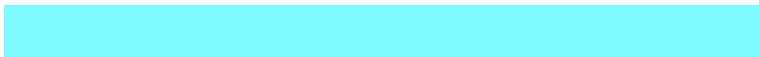
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



82.2412, 0.2752, 0.3705



82.2412, 0.2451, 0.3277



82.2412, 0.2326, 0.2892

Triad

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



82.2412, 0.2451, 0.3277



82.2412, 0.3038, 0.2685



82.2412, 0.3900, 0.3901

Complementary

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



82.2412, 0.2451, 0.3277



36.8112, 0.4651, 0.3304

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.



82.2412, 0.4000, 0.3593



82.2412, 0.2451, 0.3277



82.2412, 0.3483, 0.2918

Square

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



82.2412, 0.2451, 0.3277



82.2412, 0.2645, 0.2586



82.2412, 0.3846, 0.3241



82.2412, 0.3590, 0.4071

Rectangle

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



82.2412, 0.2451, 0.3277



82.2412, 0.2350, 0.2713



82.2412, 0.3846, 0.3241



82.2412, 0.3961, 0.3809

Sweetspot

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



82.2444, 0.2451, 0.3277



92.8786, 0.2884, 0.3286



77.0415, 0.3048, 0.4967



19.7081, 0.2854, 0.3286



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

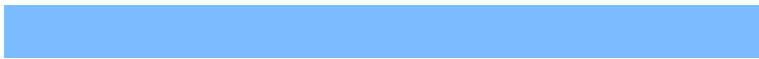
The Same Dimension uses a secret algorithm to generate beautiful new colors.



82.2444, 0.2451, 0.3277



80.4011, 0.2366, 0.3274



47.5253, 0.2287, 0.2461



20.4576, 0.2980, 0.3288



40.5435, 0.2241, 0.3266



3.9546, 0.2241, 0.3268

Inverse Universe

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



42.3261, 0.3194, 0.2046



36.4734, 0.3206, 0.1852



58.8297, 0.4242, 0.3972



18.2980, 0.3139, 0.3058



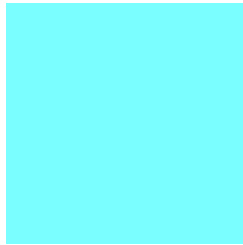
14.8209, 0.3227, 0.1551



1.4438, 0.3225, 0.1550

Previews

White Background



This preview shows how the Yxy color 82.2412, 0.2451, 0.3277 looks on a white background.

Color Contrast Check

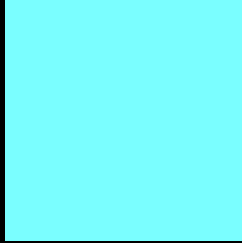
Large Text (above 18pt) WCAG AA × Fail

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 82.2412, 0.2451, 0.3277 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 82.2412, 0.2451, 0.3277

Background



This preview shows how black text looks on a background with the Yxy color 82.2412, 0.2451, 0.3277.

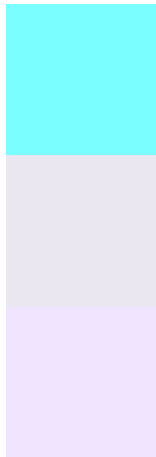


This preview shows how white text looks on a background with the Yxy color 82.2412, 0.2451, 0.3277.

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

82.2412, 0.2451, 0.3277

Protanopia

80.9951, 0.3085, 0.3188

Deuteranopia

81.2321, 0.3039, 0.3020



Tritanopia

81.5115, 0.2708, 0.3159

Trichromacy



Original Color

82.2412, 0.2451, 0.3277



Protanomaly

79.7243, 0.2801, 0.3213



Deuteranomaly

79.6587, 0.2774, 0.3097



Tritanomaly

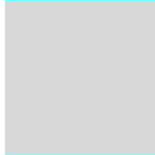
81.3186, 0.2597, 0.3200

Monochromacy



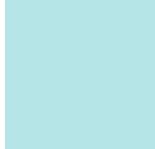
Original Color

82.2412, 0.2451, 0.3277



Achromatopsia

67.9542, 0.3127, 0.3290



Achromatomaly

71.5756, 0.2810, 0.3278

CSS Examples

Text

The CSS property to change the color of the text to Yxy 82.2412, 0.2451, 0.3277 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(122, 254, 255)` looks like.

```
.text, #text, p{  
    color:rgb(122, 254, 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(122, 254, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(122, 254, 255) }
```

Border

The CSS property to change the border of an element to Yxy 82.2412, 0.2451, 0.3277 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(122, 254, 255) }
```

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

```
.border{ border-color:rgb(122, 254, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(122, 254, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(122, 254, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(122, 254, 255);  
box-shadow:4px 4px 4px 4px rgb(122, 254,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 82.2412, 0.2451, 0.3277 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(122, 254, 255) }
```

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

```
.background{ background-color: rgb(122,  
254, 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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