

Converting Colors

$Y_{xy}(82.9020, 0.2522, 0.3397)$

Have a look what the booklet for
Yxy(82.9020, 0.2522, 0.3397)
contains.

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Color

Yxy(82.9196, 0.2520, 0.3392)

Conversions

Conversions Part 1

Format	Color
Hex	82FFF6
RGB	130, 255, 246
RGB Percent	51%, 100%, 96%
CMY	0.4900, 0.0000, 0.0354
CMYK	0.49, 0.00, 0.04, 0.00
HSL	176°, 100%, 75%
HSV	176°, 49%, 100%
XYZ	61.6030, 82.9196, 99.9338
YIQ	216.5990, -71.6110, -29.2990

Conversions

Conversions Part 2

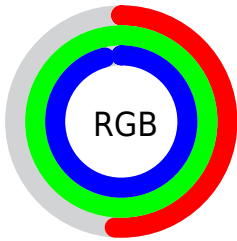
Format	Color
R_{YB}	130, 195, 255
Decimal	8585206
CIE _{Lab}	92.98, -37.03, -6.47
CIE _{LCh}	93, 37.594, 189.907
Yxy	82.9196, 0.2520, 0.3392
Android (android.graphics.Color)	4286775286 (0xFF82FFF6)
YUV	216.5990, 14.4947, -75.9473
Hunter-Lab	91.0602, -38.5986, -1.3255

Details

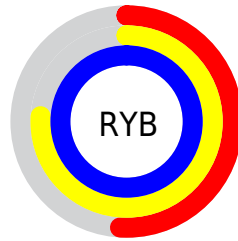
The Yxy color **82.9196, 0.2520, 0.3392** is a light color, and the websafe version is hex **66FFFF**. A complement of this color would be **39.1032, 0.4412, 0.3201**, and the grayscale version is **69.0431, 0.3127, 0.3290**.

A 20% lighter version of the original color is **89.6871, 0.2752, 0.3289**, and **45.2641, 0.2390, 0.3409** is the 20% darker color. If you saturate the color by 10%, you get **81.0363, 0.2440, 0.3416**, and if you desaturate by 10%, it is **85.3091, 0.2618, 0.3369**.

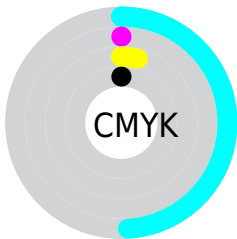
Distribution



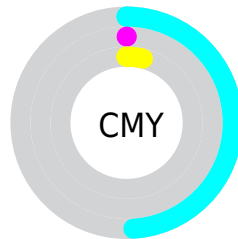
- Red (51%)
- Green (100%)
- Blue (96%)



- Red (51%)
- Yellow (76%)
- Blue (100%)



- Cyan (49%)
- Magenta (0%)
- Yellow (4%)
- Black (0%)





- Cyan (49%)
- Magenta (0%)
- Yellow (4%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 82.9196, 0.2520, 0.3392 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 82.9196, 0.2520, 0.3392 by changing the saturation by 10% instead.


 82.9196, 0.2520,
0.3392


 82.9196, 0.2520,
0.3392


504.7185, 0.2790,
0.3351

 62.1238, 0.2461,
0.3400

 137.4628, 0.2612,
0.3379

 45.1328, 0.2389,
0.3409


 171.9791, 0.2648,
0.3374

 31.5620, 0.2301,
0.3420

 211.8377, 0.2679,
0.3369

 21.0272, 0.2188,
0.3432

257.4229, 0.2707,
0.3364

 13.1439, 0.2042,
0.3445

309.1192, 0.2731,
0.3361

 7.5277, 0.1843,
0.3458


367.3110, 0.2753,


 3.7942, 0.1561,


0.3357


0.3467

432.3826, 0.2772,
0.3354


 1.5591, 0.1034,
0.3491


 0.3298, 0.0000,
0.2890


 82.9196, 0.2520,
0.3392


 82.9196, 0.2520,
0.3392


 81.0363, 0.2440,
0.3416


 85.3091, 0.2618,
0.3369


 79.6134, 0.2380,
0.3441

 88.2304, 0.2732,
0.3346

 78.6108, 0.2339,
0.3465

 91.7169, 0.2859,
0.3325

 77.9775, 0.2317,
0.3490

 95.7972, 0.2997,
0.3306

■ 77.6384, 0.2310,
0.3514

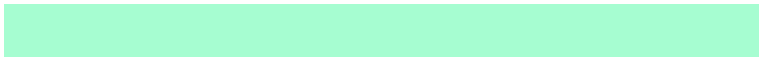
100.0000, 0.3127,
0.3290

■ 77.6113, 0.2310,
0.3516

Harmonies

Analogous

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



82.9196, 0.2857, 0.3800



82.9196, 0.2520, 0.3392



82.9196, 0.2346, 0.2985

Triad

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



82.9196, 0.2520, 0.3392



82.9196, 0.2925, 0.2649



82.9196, 0.3944, 0.3825

Complementary

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



82.9196, 0.2520, 0.3392



39.1032, 0.4412, 0.3201

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.



82.9196, 0.3977, 0.3500



82.9196, 0.2520, 0.3392



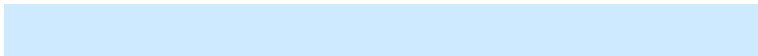
82.9196, 0.3365, 0.2849

Square

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



82.9196, 0.2520, 0.3392



82.9196, 0.2567, 0.2592



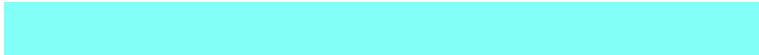
82.9196, 0.3761, 0.3151



82.9196, 0.3683, 0.4040

Rectangle

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



82.9196, 0.2520, 0.3392



82.9196, 0.2336, 0.2779



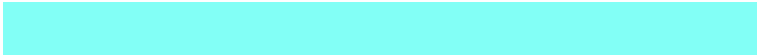
82.9196, 0.3761, 0.3151



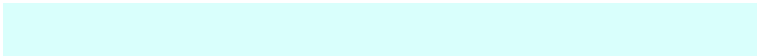
82.9196, 0.3983, 0.3724

Sweetspot

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



82.9223, 0.2520, 0.3392



93.2770, 0.2913, 0.3317



78.7483, 0.3108, 0.4828



19.7866, 0.2885, 0.3322



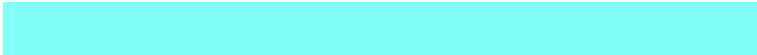
0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

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



82.9223, 0.2520, 0.3392



81.0366, 0.2440, 0.3416



54.6509, 0.2361, 0.2655



20.4575, 0.2990, 0.3307



40.5631, 0.2309, 0.3512



3.9560, 0.2301, 0.3485

Inverse Universe

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



39.1032, 0.4412, 0.3201



32.5188, 0.4844, 0.3191



56.3738, 0.4215, 0.3831



18.0083, 0.3283, 0.3273



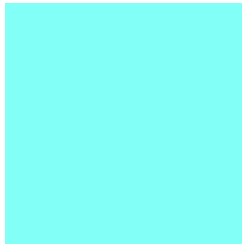
11.1400, 0.6326, 0.3259



1.0917, 0.6162, 0.3168

Previews

White Background



This preview shows how the Yxy color 82.9196, 0.2520, 0.3392 looks on a white background.

Color Contrast Check

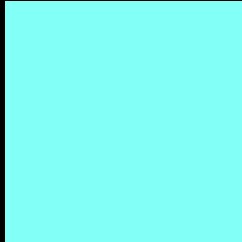
Large Text (above 18pt) WCAG AA × Fail

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 82.9196, 0.2520, 0.3392 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

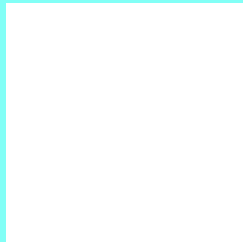
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 82.9196, 0.2520, 0.3392

Background



This preview shows how black text looks on a background with the Yxy color 82.9196, 0.2520, 0.3392.

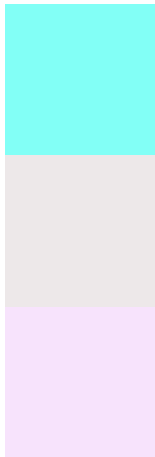


This preview shows how white text looks on a background with the Yxy color 82.9196, 0.2520, 0.3392.

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

82.9196, 0.2520, 0.3392

Protanopia

81.6009, 0.3155, 0.3280

Deuteranopia

81.7406, 0.3105, 0.3043



Tritanopia

82.1400, 0.2735, 0.3160

Trichromacy



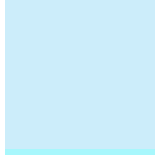
Original Color

82.9196, 0.2520, 0.3392



Protanomaly

80.4990, 0.2874, 0.3311



Deuteranomaly

80.3079, 0.2842, 0.3151



Tritanomaly

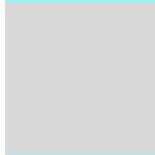
81.8746, 0.2645, 0.3233

Monochromacy



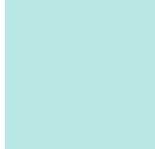
Original Color

82.9196, 0.2520, 0.3392



Achromatopsia

69.3872, 0.3127, 0.3290



Achromatomaly

73.0676, 0.2847, 0.3323

CSS Examples

Text

The CSS property to change the color of the text to Yxy 82.9196, 0.2520, 0.3392 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(130, 255, 246)` looks like.

```
.text, #text, p{  
    color:rgb(130, 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(130, 255, 246) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(130, 255, 246) }
```

Border

The CSS property to change the border of an element to Yxy 82.9196, 0.2520, 0.3392 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(130, 255, 246) }
```

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

```
.border{ border-color:rgb(130, 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(130, 255, 246) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(130, 255, 246); -webkit-box-  
shadow:4px 4px 4px 4px rgb(130, 255, 246);  
box-shadow:4px 4px 4px 4px rgb(130, 255,  
246) }
```


Background

The CSS property to change the background color of an element to Yxy 82.9196, 0.2520, 0.3392 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(130, 255, 246) }
```

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

```
.background{ background-color: rgb(130,  
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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