

Converting Colors

$Y_{xy}(100.0000, 0.2541, 0.3677)$

Have a look what the booklet for
Yxy(100.0000, 0.2541, 0.3677)
contains.

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Color

Yxy(82.1669, 0.2483, 0.3393)

Conversions

Conversions Part 1

Format	Color
Hex	78FFF6
RGB	120, 255, 246
RGB Percent	47%, 100%, 96%
CMY	0.5297, 0.0000, 0.0353
CMYK	0.53, 0.00, 0.04, 0.00
HSL	176°, 100%, 74%
HSV	176°, 53%, 100%
XYZ	60.1298, 82.1669, 99.8692
YIQ	213.6090, -77.5710, -31.4190

Conversions

Conversions Part 2

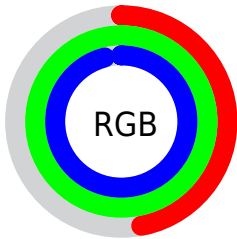
Format	Color
RYB	120, 190, 255
Decimal	7929846
CIELab	92.65, -39.09, -7.00
CIElCh	93, 39.707, 190.149
Yxy	82.1669, 0.2483, 0.3393
Android (android.graphics.Color)	4286119926 (0xFF78FFF6)
YUV	213.6090, 15.9688, -82.0951
Hunter-Lab	90.6460, -40.2228, -1.8706

Details

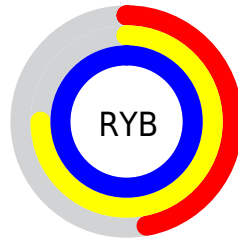
The Yxy color **82.1669, 0.2483, 0.3393** is a light color, and the websafe version is hex **66FFFF**. A complement of this color would be **36.2566, 0.4586, 0.3204**, and the grayscale version is **66.8801, 0.3127, 0.3290**.

A 20% lighter version of the original color is **88.5638, 0.2706, 0.3289**, and **44.7840, 0.2346, 0.3410** is the 20% darker color. If you saturate the color by 10%, you get **80.4711, 0.2410, 0.3415**, and if you desaturate by 10%, it is **84.3360, 0.2574, 0.3371**.

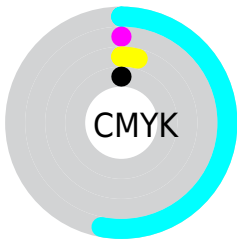
Distribution



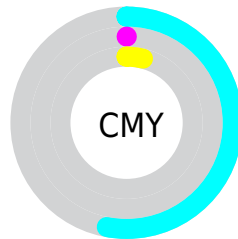
- Red (47%)
- Green (100%)
- Blue (96%)



- Red (47%)
- Yellow (75%)
- Blue (100%)



- Cyan (53%)
- Magenta (0%)
- Yellow (4%)
- Black (0%)





- Cyan (53%)
- Magenta (0%)
- Yellow (4%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 82.1669, 0.2483, 0.3393 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 82.1669, 0.2483, 0.3393 by changing the saturation by 10% instead.


 82.1669, 0.2483,
0.3393


 82.1669, 0.2483,
0.3393


502.2058, 0.2769,
0.3352


 61.5031, 0.2420,
0.3401

 136.4080, 0.2580,
0.3380

 44.6313, 0.2344,
0.3410


 170.7542, 0.2619,
0.3375

 31.1671, 0.2251,
0.3420


 210.4299, 0.2652,
0.3370

 20.7262, 0.2132,
0.3431

255.8195, 0.2681,
0.3366

 12.9240, 0.1977,
0.3442

307.3076, 0.2707,
0.3362

 7.3762, 0.1767,
0.3452

365.2784, 0.2730,

 3.6985, 0.1472,

0.3358

0.3454

430.1163, 0.2751,
0.3355

■ 1.5064, 0.0871,
0.3484

■ 0.2932, 0.0000,
0.2662

■ 82.1669, 0.2483,
0.3393

■ 82.1669, 0.2483,
0.3393

■ 80.4711, 0.2410,
0.3415

■ 84.3360, 0.2574,
0.3371

■ 79.2284, 0.2357,
0.3438

■ 87.0328, 0.2683,
0.3350


■ 78.3868, 0.2324,
0.3461

■ 90.2829, 0.2806,
0.3330

■ 77.8908, 0.2308,
0.3483

■ 94.1155, 0.2940,
0.3312

 77.6924, 0.2305,
0.3499

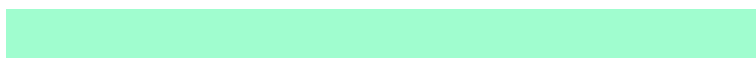
 98.5579, 0.3083,
0.3295

100.0000, 0.3127,
0.3290

Harmonies

Analogous

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



82.1669, 0.2837, 0.3830



82.1669, 0.2483, 0.3393



82.1669, 0.2302, 0.2962

Triad

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



82.1669, 0.2483, 0.3393



82.1669, 0.2916, 0.2615



82.1669, 0.3990, 0.3855

Complementary

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



82.1669, 0.2483, 0.3393



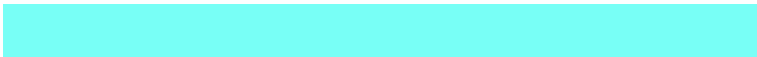
36.2566, 0.4586, 0.3204

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.



82.1669, 0.4029, 0.3511



82.1669, 0.2483, 0.3393



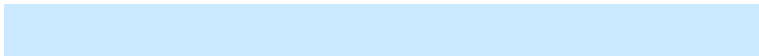
82.1669, 0.3382, 0.2827

Square

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



82.1669, 0.2483, 0.3393



82.1669, 0.2537, 0.2554



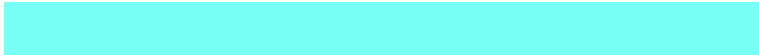
82.1669, 0.3801, 0.3144



82.1669, 0.3711, 0.4085

Rectangle

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



82.1669, 0.2483, 0.3393



82.1669, 0.2293, 0.2746



82.1669, 0.3801, 0.3144



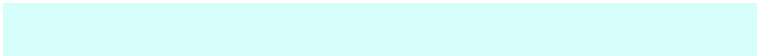
82.1669, 0.4033, 0.3748

Sweetspot

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



82.1604, 0.2483, 0.3393



92.8922, 0.2898, 0.3317



77.7134, 0.3102, 0.4968



19.7114, 0.2870, 0.3321



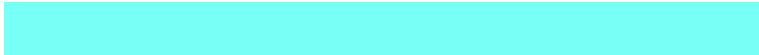
0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

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



82.1604, 0.2483, 0.3393



80.3236, 0.2404, 0.3418



51.9237, 0.2304, 0.2593



20.4593, 0.2989, 0.3306



40.6049, 0.2304, 0.3495



3.9596, 0.2297, 0.3469

Inverse Universe

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



36.2566, 0.4586, 0.3204



29.8527, 0.5087, 0.3198



53.7444, 0.4334, 0.3870



18.0067, 0.3284, 0.3275



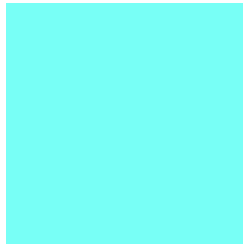
11.1372, 0.6333, 0.3262



1.0909, 0.6179, 0.3178

Previews

White Background



This preview shows how the Yxy color 82.1669, 0.2483, 0.3393 looks on a white background.

Color Contrast Check

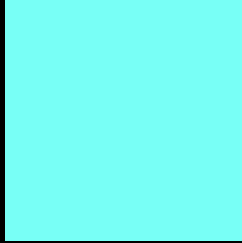
Large Text (above 18pt) WCAG AA × Fail

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 82.1669, 0.2483, 0.3393 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

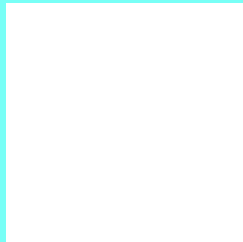
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 82.1669, 0.2483, 0.3393

Background



This preview shows how black text looks on a background with the Yxy color 82.1669, 0.2483, 0.3393.

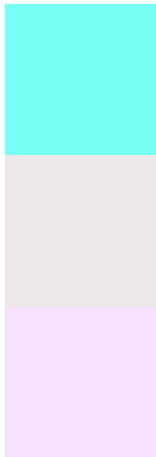


This preview shows how white text looks on a background with the Yxy color 82.1669, 0.2483, 0.3393.

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

82.1669, 0.2483, 0.3393

Protanopia

80.8109, 0.3155, 0.3280

Deuteranopia

81.0138, 0.3098, 0.3032



Tritanopia

81.5115, 0.2708, 0.3159

Trichromacy



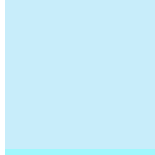
Original Color

82.1669, 0.2483, 0.3393



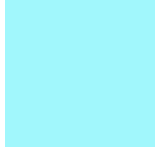
Protanomaly

79.9039, 0.2856, 0.3322



Deuteranomaly

79.7499, 0.2818, 0.3150



Tritanomaly

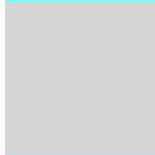
81.1269, 0.2611, 0.3233

Monochromacy



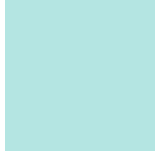
Original Color

82.1669, 0.2483, 0.3393



Achromatopsia

67.2443, 0.3127, 0.3290



Achromatomaly

71.2329, 0.2826, 0.3324

CSS Examples

Text

The CSS property to change the color of the text to Yxy 82.1669, 0.2483, 0.3393 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(120, 255, 246)` looks like.

```
.text, #text, p{  
    color:rgb(120, 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(120, 255, 246) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(120, 255, 246) }
```

Border

The CSS property to change the border of an element to Yxy 82.1669, 0.2483, 0.3393 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(120, 255, 246) }
```

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

```
.border{ border-color:rgb(120, 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(120, 255, 246)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(120, 255, 246); -webkit-box-  
shadow:4px 4px 4px 4px rgb(120, 255, 246);  
box-shadow:4px 4px 4px 4px rgb(120, 255,  
246) }
```


Background

The CSS property to change the background color of an element to Yxy 82.1669, 0.2483, 0.3393 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(120, 255, 246) }
```

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

```
.background{ background-color: rgb(120,  
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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