

Converting Colors

$Y_{xy}(79.6965, 0.2379, 0.3432)$

Have a look what the booklet for
Yxy(79.6965, 0.2379, 0.3432)
contains.

Yxy(79.6965, 0.2379, 0.3432)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(79.6965, 0.2379, 0.3432)

Conversions

Conversions Part 1

Format	Color
Hex	50FFF3
RGB	80, 255, 243
RGB Percent	31%, 100%, 95%
CMY	0.6864, 0.0000, 0.0470
CMYK	0.69, 0.00, 0.05, 0.00
HSL	176°, 100%, 66%
HSV	176°, 69%, 100%
XYZ	55.2442, 79.6965, 97.2752
YIQ	201.3070, -100.4480, -40.8320

Conversions

Conversions Part 2

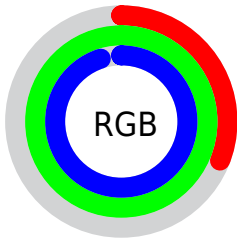
Format	Color
RYB	80, 171, 255
Decimal	5308403
CIELab	91.55, -46.30, -7.20
CIELCh	92, 46.855, 188.834
Yxy	79.6965, 0.2379, 0.3432
Android (android.graphics.Color)	4283498483 (0xFF50FFF3)
YUV	201.3070, 20.5546, -106.3862
Hunter-Lab	89.2729, -45.7676, -2.1137

Details

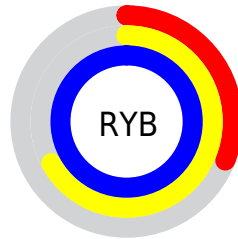
The Yxy color **79.6965, 0.2379, 0.3432** is a light color, and the websafe version is hex **33FFFF**. The color can be described as light muted cyan. A complement of this color would be **27.7629, 0.5301, 0.3197**, and the grayscale version is **58.5180, 0.3127, 0.3290**.

A 20% lighter version of the original color is **85.2240, 0.2562, 0.3288**, and **43.5204, 0.2290, 0.3445** is the 20% darker color. If you saturate the color by 10%, you get **78.6839, 0.2337, 0.3455**, and if you desaturate by 10%, it is **81.1290, 0.2440, 0.3409**.

Distribution



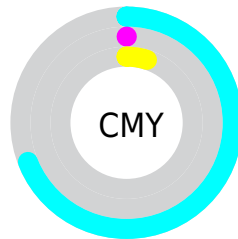
- Red (31%)
- Green (100%)
- Blue (95%)



- Red (31%)
- Yellow (67%)
- Blue (100%)



- Cyan (69%)
- Magenta (0%)
- Yellow (5%)
- Black (0%)




- Cyan (69%)
- Magenta (0%)
- Yellow (5%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 79.6965, 0.2379, 0.3432 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 79.6965, 0.2379, 0.3432 by changing the saturation by 10% instead.


 79.6965, 0.2379,
0.3432

 79.6965, 0.2379,
0.3432

493.9094, 0.2712,
0.3375


 59.4686, 0.2306,
0.3443

 132.9389, 0.2492,
0.3414


 42.9905, 0.2218,
0.3456


 166.7223, 0.2537,
0.3406

 29.8777, 0.2109,
0.3470


 205.7930, 0.2576,
0.3400

 19.7457, 0.1971,
0.3486

 250.5353, 0.2610,
0.3394

 12.2104, 0.1791,
0.3503

301.3337, 0.2640,
0.3388

 6.8871, 0.1551,
0.3518


358.5726, 0.2667,


 3.3916, 0.1218,

0.3383

422.6364, 0.2691,
0.3379


0.3522


 1.3394, 0.0233,
0.3669


 0.1714, 0.0000,
0.1991


 79.6965, 0.2379,
0.3432


 79.6965, 0.2379,
0.3432


 78.6839, 0.2337,
0.3455


 81.1290, 0.2440,
0.3409


 78.0435, 0.2314,
0.3478


 83.0269, 0.2521,
0.3386

 77.7022, 0.2307,
0.3501

 85.4267, 0.2620,
0.3364

 77.6660, 0.2307,
0.3504

 88.3620, 0.2735,
0.3343

 91.8635, 0.2863,
0.3323

 95.9597, 0.3001,
0.3305

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.



79.6965, 0.2799, 0.3963



79.6965, 0.2379, 0.3432



79.6965, 0.2163, 0.2910

Triad

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



79.6965, 0.2379, 0.3432



79.6965, 0.2850, 0.2494



79.6965, 0.4159, 0.3930

Complementary

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



79.6965, 0.2379, 0.3432



27.7629, 0.5301, 0.3197

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.



79.6965, 0.4198, 0.3519



79.6965, 0.2379, 0.3432



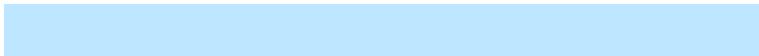
79.6965, 0.3402, 0.2732

Square

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



79.6965, 0.2379, 0.3432



79.6965, 0.2416, 0.2427



79.6965, 0.3913, 0.3094



79.6965, 0.3832, 0.4225

Rectangle

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



79.6965, 0.2379, 0.3432



79.6965, 0.2147, 0.2654



79.6965, 0.3913, 0.3094



79.6965, 0.4208, 0.3800

Sweetspot

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



79.6956, 0.2379, 0.3432



90.9860, 0.2832, 0.3327



74.5071, 0.3076, 0.5473



19.2635, 0.2796, 0.3333



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.



79.6956, 0.2379, 0.3432



78.4304, 0.2328, 0.3463



42.4065, 0.2101, 0.2339



20.4587, 0.2989, 0.3306



40.5913, 0.2306, 0.3501



3.9584, 0.2298, 0.3474

Inverse Universe

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



27.7629, 0.5301, 0.3197



23.5347, 0.5883, 0.3217



44.5857, 0.4827, 0.3981



18.0072, 0.3284, 0.3274



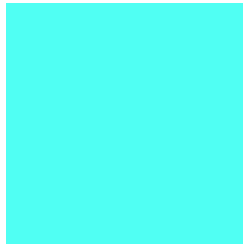
11.1381, 0.6331, 0.3261



1.0912, 0.6173, 0.3175

Previews

White Background



This preview shows how the Yxy color 79.6965, 0.2379, 0.3432 looks on a white background.

Color Contrast Check

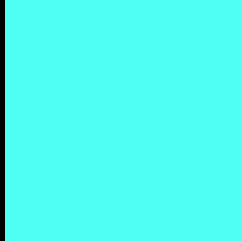
Large Text (above 18pt) WCAG AA × Fail

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 79.6965, 0.2379, 0.3432 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

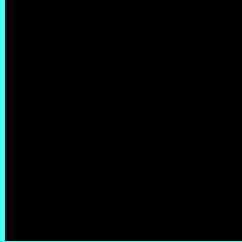
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 79.6965, 0.2379, 0.3432

Background



This preview shows how black text looks on a background with the Yxy color 79.6965, 0.2379, 0.3432.

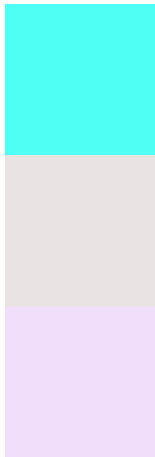


This preview shows how white text looks on a background with the Yxy color 79.6965, 0.2379, 0.3432.

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

79.6965, 0.2379, 0.3432

Protanopia

78.3565, 0.3168, 0.3301

Deuteranopia

77.8455, 0.3078, 0.3008



Tritanopia

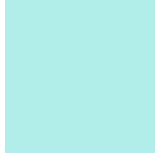
78.8313, 0.2613, 0.3144

Trichromacy



Original Color

79.6965, 0.2379, 0.3432



Protanomaly

76.3794, 0.2778, 0.3346



Deuteranomaly

75.5061, 0.2728, 0.3144



Tritanomaly

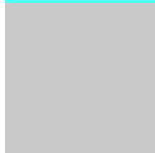
78.6375, 0.2501, 0.3242

Monochromacy



Original Color

79.6965, 0.2379, 0.3432



Achromatopsia

58.4078, 0.3127, 0.3290



Achromatomaly

63.8389, 0.2737, 0.3351

CSS Examples

Text

The CSS property to change the color of the text to Yxy 79.6965, 0.2379, 0.3432 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(80, 255, 243)` looks like.

```
.text, #text, p{  
    color:rgb(80, 255, 243)  
}
```

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(80, 255, 243) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(80, 255, 243) }
```

Border

The CSS property to change the border of an element to Yxy 79.6965, 0.2379, 0.3432 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(80, 255, 243) }
```

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

```
.border{ border-color:rgb(80, 255, 243) }
```

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

Here you see how a box with a 4 pixel `rgb(80, 255, 243)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(80, 255, 243); -webkit-box-  
shadow:4px 4px 4px 4px rgb(80, 255, 243);  
box-shadow:4px 4px 4px 4px rgb(80, 255,  
243) }
```


Background

The CSS property to change the background color of an element to Yxy 79.6965, 0.2379, 0.3432 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(80, 255, 243) }
```

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

```
.background{ background-color: rgb(80, 255,  
243) }
```

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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