

Converting Colors

$Y_{xy}(100.0000, 0.2383, 0.3680)$

Have a look what the booklet for
Yxy(100.0000, 0.2383, 0.3680)
contains.

Yxy(79.0659, 0.2291, 0.3336)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(79.0659, 0.2291, 0.3336)

Conversions

Conversions Part 1

Format	Color
Hex	2EFFFF
RGB	46, 255, 251
RGB Percent	18%, 100%, 98%
CMY	0.8192, 0.0000, 0.0158
CMYK	0.82, 0.00, 0.02, 0.00
HSL	179°, 100%, 59%
HSV	179°, 82%, 100%
XYZ	54.2986, 79.0659, 103.6436
YIQ	192.0530, -123.2800, -45.5520

Conversions

Conversions Part 2

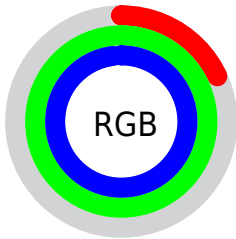
Format	Color
RYB	46, 152, 255
Decimal	3080187
CIELab	91.26, -47.47, -11.80
CIElCh	91, 48.913, 193.961
Yxy	79.0659, 0.2291, 0.3336
Android (android.graphics.Color)	4281270267 (0xFF2EFFF8)
YUV	192.0530, 29.0609, -128.0885
Hunter-Lab	88.9190, -46.6069, -6.8649

Details

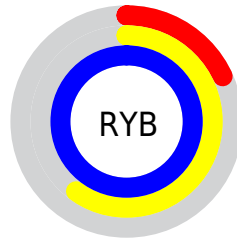
The Yxy color **79.0659, 0.2291, 0.3336** is a light color, and the websafe version is hex **33FFFF**. The color can be described as light washed cyan. A complement of this color would be **23.4532, 0.5981, 0.3278**, and the grayscale version is **52.6424, 0.3127, 0.3290**.

A 20% lighter version of the original color is **83.6455, 0.2489, 0.3288**, and **43.8726, 0.2255, 0.3318** is the 20% darker color. If you saturate the color by 10%, you get **78.6076, 0.2270, 0.3342**, and if you desaturate by 10%, it is **79.8769, 0.2330, 0.3330**.

Distribution



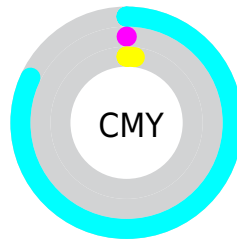
- Red (18%)
- Green (100%)
- Blue (98%)



- Red (18%)
- Yellow (60%)
- Blue (100%)



- Cyan (82%)
- Magenta (0%)
- Yellow (2%)
- Black (0%)





- Cyan (82%)
- Magenta (0%)
- Yellow (2%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 79.0659, 0.2291, 0.3336 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 79.0659, 0.2291, 0.3336 by changing the saturation by 10% instead.


 79.0659, 0.2291,
0.3336

 79.0659, 0.2291,
0.3336


491.7793, 0.2661,
0.3327


 58.9500, 0.2211,
0.3335


 132.0516, 0.2416,
0.3335


 42.5729, 0.2114,
0.3334


 165.6902, 0.2466,
0.3334

 29.5501, 0.1995,
0.3329


 204.6052, 0.2509,
0.3333

 19.4974, 0.1846,
0.3320


 249.1809, 0.2547,
0.3331

 12.0302, 0.1654,
0.3302

299.8018, 0.2580,
0.3330

 6.7643, 0.1400,
0.3265

356.8522, 0.2610,

 3.3151, 0.1059,

0.3329

0.3187

420.7166, 0.2637,
0.3328

■ 1.2984, 0.0065,
0.3172

■ 0.1399, 0.0000,
0.1252

■ 79.0659, 0.2291,
0.3336

■ 79.0659, 0.2291,
0.3336

■ 78.6076, 0.2270,
0.3342

■ 79.8769, 0.2330,
0.3330

■ 78.4275, 0.2263,
0.3347

■ 81.0925, 0.2388,
0.3323

■ 82.7583, 0.2466,
0.3317

■ 84.9133, 0.2563,
0.3311

 87.5922, 0.2677,
0.3306

 90.8267, 0.2806,
0.3300

 94.6457, 0.2947,
0.3295

 99.0765, 0.3097,
0.3291

 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.



79.0659, 0.2696, 0.3912



79.0659, 0.2291, 0.3336



79.0659, 0.2108, 0.2813

Triad

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



79.0659, 0.2291, 0.3336



79.0659, 0.2930, 0.2492



79.0659, 0.4165, 0.4019

Complementary

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



79.0659, 0.2291, 0.3336



23.4532, 0.5981, 0.3278

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.



79.0659, 0.4266, 0.3601



79.0659, 0.2291, 0.3336



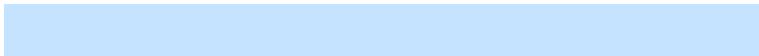
79.0659, 0.3514, 0.2765

Square

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



79.0659, 0.2291, 0.3336



79.0659, 0.2449, 0.2389



79.0659, 0.4023, 0.3157



79.0659, 0.3780, 0.4298

Rectangle

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



79.0659, 0.2291, 0.3336



79.0659, 0.2119, 0.2572



79.0659, 0.4023, 0.3157



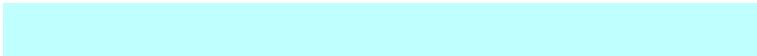
79.0659, 0.4235, 0.3889

Sweetspot

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



79.0666, 0.2291, 0.3336



89.7699, 0.2765, 0.3302



72.4767, 0.3023, 0.5807



18.9706, 0.2719, 0.3304



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.



79.0666, 0.2291, 0.3336



78.4666, 0.2265, 0.3346



32.0913, 0.1927, 0.1974



20.4751, 0.2983, 0.3294



40.9828, 0.2263, 0.3346



3.9922, 0.2261, 0.3339

Inverse Universe

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



23.4532, 0.5981, 0.3278



21.3924, 0.6364, 0.3292



41.2797, 0.5125, 0.4097



17.9927, 0.3292, 0.3286



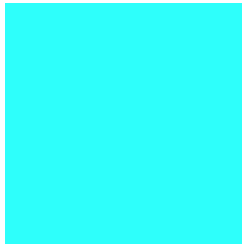
11.1169, 0.6381, 0.3289



1.0843, 0.6335, 0.3263

Previews

White Background



This preview shows how the Yxy color 79.0659, 0.2291, 0.3336 looks on a white background.

Color Contrast Check

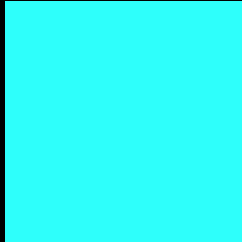
Large Text (above 18pt) WCAG AA × Fail

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 79.0659, 0.2291, 0.3336 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

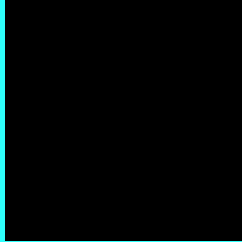
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

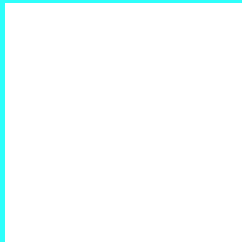
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 79.0659, 0.2291, 0.3336

Background



This preview shows how black text looks on a background with the Yxy color 79.0659, 0.2291, 0.3336.

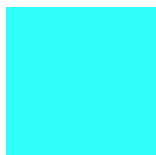


This preview shows how white text looks on a background with the Yxy color 79.0659, 0.2291, 0.3336.

Color Blindness Simulation

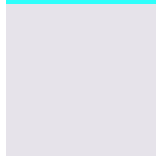
Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy



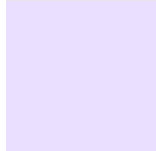
Original Color

79.0659, 0.2291, 0.3336



Protanopia

77.7017, 0.3103, 0.3217



Deuteranopia

77.6575, 0.3006, 0.2966



Tritanopia

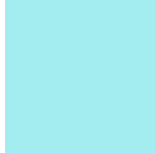
78.0952, 0.2579, 0.3143

Trichromacy



Original Color

79.0659, 0.2291, 0.3336



Protanomaly

74.6462, 0.2664, 0.3254



Deuteranomaly

74.6794, 0.2608, 0.3075



Tritanomaly

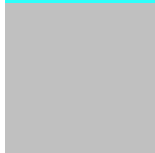
77.5288, 0.2424, 0.3206

Monochromacy



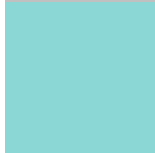
Original Color

79.0659, 0.2291, 0.3336



Achromatopsia

52.7115, 0.3127, 0.3290



Achromatomaly

58.8939, 0.2643, 0.3314

CSS Examples

Text

The CSS property to change the color of the text to Yxy 79.0659, 0.2291, 0.3336 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(46, 255, 251)` looks like.

```
.text, #text, p{  
    color:rgb(46, 255, 251)  
}
```

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(46, 255, 251) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(46, 255, 251) }
```

Border

The CSS property to change the border of an element to Yxy 79.0659, 0.2291, 0.3336 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(46, 255, 251) }
```

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

```
.border{ border-color:rgb(46, 255, 251) }
```

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

Here you see how a box with a 4 pixel `rgb(46, 255, 251)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(46, 255, 251); -webkit-box-  
shadow:4px 4px 4px 4px rgb(46, 255, 251);  
box-shadow:4px 4px 4px 4px rgb(46, 255,  
251) }
```


Background

The CSS property to change the background color of an element to Yxy 79.0659, 0.2291, 0.3336 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(46, 255, 251) }
```

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

```
.background{ background-color: rgb(46, 255,  
251) }
```

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