

Converting Colors

$Y_{xy}(79.7756, 0.2338, 0.3353)$

Have a look what the booklet for
Yxy(79.7756, 0.2338, 0.3353)
contains.

Yxy(79.7998, 0.2336, 0.3347)	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(79.7998, 0.2336, 0.3347)

Conversions

Conversions Part 1

Format	Color
Hex	48FFFA
RGB	72, 255, 250
RGB Percent	28%, 100%, 98%
CMY	0.7172, 0.0000, 0.0195
CMYK	0.72, 0.00, 0.02, 0.00
HSL	178°, 100%, 64%
HSV	178°, 72%, 100%
XYZ	55.6953, 79.7998, 102.9267
YIQ	199.7130, -107.4630, -40.3510

Conversions

Conversions Part 2

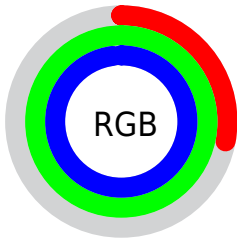
Format	Color
R_{YB}	72, 165, 255
Decimal	4784122
CIE _{Lab}	91.59, -45.37, -10.78
CIE _{LCh}	92, 46.629, 193.362
Yxy	79.7998, 0.2336, 0.3347
Android (android.graphics.Color)	4282974202 (0xFF48FFFA)
YUV	199.7130, 24.7915, -112.0043
Hunter-Lab	89.3307, -45.0388, -5.7823

Details

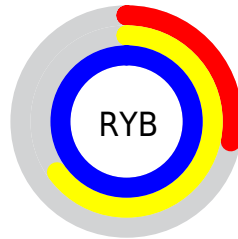
The Yxy color **79.7998, 0.2336, 0.3347** is a light color, and the websafe version is hex **33FFFF**. The color can be described as light washed cyan. A complement of this color would be **26.4442, 0.5535, 0.3260**, and the grayscale version is **57.4870, 0.3127, 0.3290**.

A 20% lighter version of the original color is **84.8510, 0.2545, 0.3288**, and **44.2832, 0.2264, 0.3349** is the 20% darker color. If you saturate the color by 10%, you get **78.9727, 0.2297, 0.3356**, and if you desaturate by 10%, it is **81.0393, 0.2394, 0.3338**.

Distribution



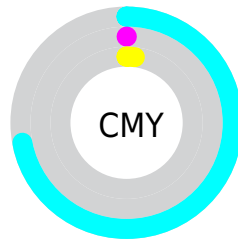
- Red (28%)
- Green (100%)
- Blue (98%)



- Red (28%)
- Yellow (65%)
- Blue (100%)



- Cyan (72%)
- Magenta (0%)
- Yellow (2%)
- Black (0%)




- Cyan (72%)
- Magenta (0%)
- Yellow (2%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 79.7998, 0.2336, 0.3347 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 79.7998, 0.2336, 0.3347 by changing the saturation by 10% instead.


 79.7998, 0.2336,
0.3347


 79.7998, 0.2336,
0.3347


494.2579, 0.2687,
0.3331

 59.5536, 0.2260,
0.3348


 133.0842, 0.2455,
0.3343


 43.0589, 0.2168,
0.3349


 166.8913, 0.2502,
0.3342

 29.9314, 0.2055,
0.3347


 205.9874, 0.2542,
0.3340

 19.7865, 0.1912,
0.3343

 250.7570, 0.2578,
0.3338

 12.2399, 0.1728,
0.3331

301.5844, 0.2610,
0.3336

 6.9073, 0.1484,
0.3305


358.8541, 0.2638,


 3.4042, 0.1151,


0.3334


422.9505, 0.2664,
0.3333


0.3245


 1.3462, 0.0270,
0.3234


 0.1766, 0.0000,
0.1573


 79.7998, 0.2336,
0.3347


 79.7998, 0.2336,
0.3347


 78.9727, 0.2297,
0.3356


 81.0393, 0.2394,
0.3338

 78.4950, 0.2277,
0.3365

 82.7270, 0.2472,
0.3329

 78.2988, 0.2270,
0.3372

 84.9045, 0.2568,
0.3321

 87.6068, 0.2682,
0.3313

■ 90.8652, 0.2811,
0.3305

■ 94.7088, 0.2951,
0.3298

■ 99.1647, 0.3101,
0.3291

■ 99.9976, 0.3127,
0.3290

Harmonies

Analogous

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



79.7998, 0.2727, 0.3889



79.7998, 0.2336, 0.3347



79.7998, 0.2155, 0.2847

Triad

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



79.7998, 0.2336, 0.3347



79.7998, 0.2930, 0.2524



79.7998, 0.4121, 0.3982

Complementary

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



79.7998, 0.2336, 0.3347



26.4442, 0.5535, 0.3260

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.



79.7998, 0.4208, 0.3583



79.7998, 0.2336, 0.3347



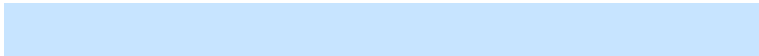
79.7998, 0.3485, 0.2783

Square

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



79.7998, 0.2336, 0.3347



79.7998, 0.2473, 0.2429



79.7998, 0.3970, 0.3157



79.7998, 0.3761, 0.4246

Rectangle

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



79.7998, 0.2336, 0.3347



79.7998, 0.2162, 0.2613



79.7998, 0.3970, 0.3157



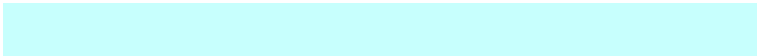
79.7998, 0.4185, 0.3857

Sweetspot

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



79.8028, 0.2336, 0.3347



90.7706, 0.2807, 0.3305



73.6150, 0.3038, 0.5579



19.2283, 0.2771, 0.3307



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.



79.8028, 0.2336, 0.3347



78.7315, 0.2287, 0.3360



37.2182, 0.2035, 0.2161



20.4724, 0.2984, 0.3296



40.9180, 0.2270, 0.3371



3.9866, 0.2267, 0.3360

Inverse Universe

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



26.4442, 0.5535, 0.3260



22.6684, 0.6105, 0.3273



45.9960, 0.4840, 0.4082



17.9951, 0.3290, 0.3284



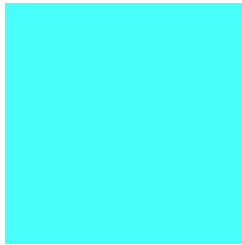
11.1202, 0.6373, 0.3285



1.0854, 0.6308, 0.3249

Previews

White Background



This preview shows how the Yxy color 79.7998, 0.2336, 0.3347 looks on a white background.

Color Contrast Check

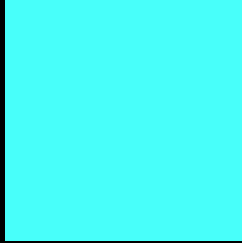
Large Text (above 18pt) WCAG AA × Fail

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 79.7998, 0.2336, 0.3347 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

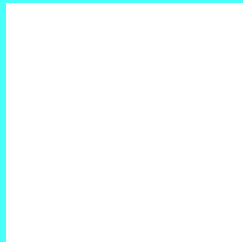
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 79.7998, 0.2336, 0.3347

Background



This preview shows how black text looks on a background with the Yxy color 79.7998, 0.2336, 0.3347.

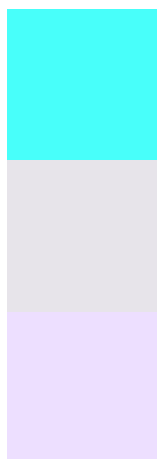


This preview shows how white text looks on a background with the Yxy color 79.7998, 0.2336, 0.3347.

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

79.7998, 0.2336, 0.3347

Protanopia

78.4162, 0.3110, 0.3228

Deuteranopia

77.9999, 0.3019, 0.2968



Tritanopia

78.7236, 0.2609, 0.3144

Trichromacy



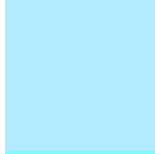
Original Color

79.7998, 0.2336, 0.3347



Protanomaly

76.3246, 0.2719, 0.3266



Deuteranomaly

75.8556, 0.2670, 0.3089



Tritanomaly

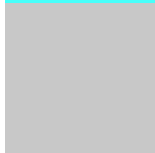
78.4387, 0.2477, 0.3219

Monochromacy



Original Color

79.7998, 0.2336, 0.3347



Achromatopsia

57.7580, 0.3127, 0.3290



Achromatomaly

63.0207, 0.2702, 0.3314

CSS Examples

Text

The CSS property to change the color of the text to Yxy 79.7998, 0.2336, 0.3347 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(72, 255, 250)` looks like.

```
.text, #text, p{
  color:rgb(72, 255, 250)
}
```

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(72, 255, 250) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(72, 255, 250) }
```

Border

The CSS property to change the border of an element to Yxy 79.7998, 0.2336, 0.3347 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(72, 255, 250) }
```

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

```
.border{ border-color:rgb(72, 255, 250) }
```

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

Here you see how a box with a 4 pixel `rgb(72, 255, 250)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(72, 255, 250); -webkit-box-  
shadow:4px 4px 4px 4px rgb(72, 255, 250);  
box-shadow:4px 4px 4px 4px rgb(72, 255,  
250) }
```


Background

The CSS property to change the background color of an element to Yxy 79.7998, 0.2336, 0.3347 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(72, 255, 250) }
```

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

```
.background{ background-color: rgb(72, 255,  
250) }
```

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