

Converting Colors

$Y_{xy}(78.7983, 0.2290, 0.3271)$

Have a look what the booklet for
Yxy(78.7983, 0.2290, 0.3271)
contains.

Yxy(79.0334, 0.2292, 0.3276)	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(79.0334, 0.2292, 0.3276)

Conversions

Conversions Part 1

Format	Color
Hex	3BFEFF
RGB	59, 254, 255
RGB Percent	23%, 100%, 100%
CMY	0.7683, 0.0039, 0.0001
CMYK	0.77, 0.00, 0.00, 0.00
HSL	180°, 100%, 62%
HSV	180°, 77%, 100%
XYZ	55.2944, 79.0334, 106.9219
YIQ	195.8090, -116.5410, -41.0290

Conversions

Conversions Part 2

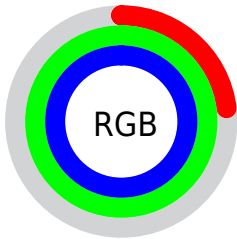
Format	Color
R _Y B	59, 157, 255
Decimal	3931903
CIE Lab	91.25, -44.88, -13.88
CIE LCh	91, 46.980, 197.183
Yxy	79.0334, 0.2292, 0.3276
Android (android.graphics.Color)	4282121983 (0xFF3BFEFF)
YUV	195.8090, 29.1812, -119.9815
Hunter-Lab	88.9007, -44.5529, -9.0782

Details

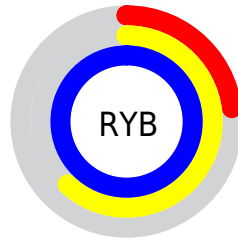
The Yxy color **79.0334, 0.2292, 0.3276** is a light color, and the websafe version is hex **33FFFF**. The color can be described as light washed cyan. A complement of this color would be **24.8082, 0.5812, 0.3304**, and the grayscale version is **54.9708, 0.3127, 0.3290**.

A 20% lighter version of the original color is **84.2290, 0.2516, 0.3288**, and **44.0097, 0.2242, 0.3272** is the 20% darker color. If you saturate the color by 10%, you get **78.3572, 0.2260, 0.3274**, and if you desaturate by 10%, it is **80.0956, 0.2342, 0.3278**.

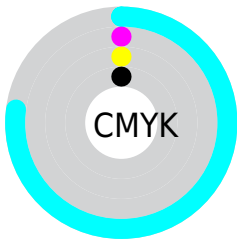
Distribution



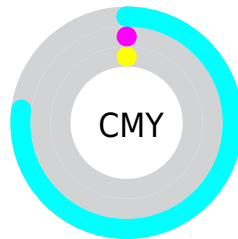
- Red (23%)
- Green (100%)
- Blue (100%)



- Red (23%)
- Yellow (62%)
- Blue (100%)



- Cyan (77%)
- Magenta (0%)
- Yellow (0%)
- Black (0%)




- Cyan (77%)
- Magenta (0%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 79.0334, 0.2292, 0.3276 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 79.0334, 0.2292, 0.3276 by changing the saturation by 10% instead.


 79.0334, 0.2292,
0.3276

 79.0334, 0.2292,
0.3276


491.6693, 0.2661,
0.3294

 58.9233, 0.2212,
0.3269


 132.0059, 0.2416,
0.3285


 42.5514, 0.2116,
0.3259


 165.6370, 0.2466,
0.3287

 29.5333, 0.1998,
0.3245


 204.5440, 0.2509,
0.3289

 19.4846, 0.1850,
0.3223

 249.1111, 0.2547,
0.3291

 12.0210, 0.1659,
0.3189

299.7228, 0.2580,
0.3292

 6.7579, 0.1409,
0.3129

356.7635, 0.2610,

 3.3112, 0.1073,

0.3293

420.6175, 0.2637,
0.3294

0.3018

1.2963, 0.0198,
0.2911

0.1383, 0.0000,
0.1091

79.0334, 0.2292,
0.3276

79.0334, 0.2292,
0.3276

78.3572, 0.2260,
0.3274

80.0956, 0.2342,
0.3278

77.9965, 0.2245,
0.3273

81.5839, 0.2412,
0.3280

77.9190, 0.2242,
0.3272

83.5426, 0.2502,
0.3282

86.0085, 0.2610,
0.3283

■ 89.0146, 0.2734,
0.3285

■ 92.5912, 0.2872,
0.3287

■ 96.7662, 0.3021,
0.3289

■ 99.9981, 0.3127,
0.3290

Harmonies

Analogous

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



79.0334, 0.2663, 0.3832



79.0334, 0.2292, 0.3276



79.0334, 0.2139, 0.2789

Triad

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



79.0334, 0.2292, 0.3276



79.0334, 0.2997, 0.2541



79.0334, 0.4098, 0.4033

Complementary

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



79.0334, 0.2292, 0.3276



24.8082, 0.5812, 0.3304

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.



79.0334, 0.4226, 0.3639



79.0334, 0.2292, 0.3276



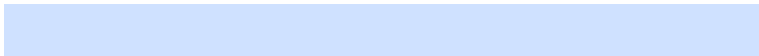
79.0334, 0.3559, 0.2821

Square

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



79.0334, 0.2292, 0.3276



79.0334, 0.2516, 0.2422



79.0334, 0.4027, 0.3209



79.0334, 0.3706, 0.4273

Rectangle

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



79.0334, 0.2292, 0.3276



79.0334, 0.2166, 0.2571



79.0334, 0.4027, 0.3209



79.0334, 0.4175, 0.3912

Sweetspot

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



79.0364, 0.2292, 0.3276



90.3382, 0.2785, 0.3286



72.7501, 0.3013, 0.5716



19.0729, 0.2737, 0.3285



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.



79.0364, 0.2292, 0.3276



78.1564, 0.2251, 0.3273



32.2738, 0.1954, 0.1976



20.4652, 0.2980, 0.3288



40.7323, 0.2242, 0.3272



3.9708, 0.2243, 0.3274

Inverse Universe

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



31.5470, 0.3213, 0.1670



28.9202, 0.3220, 0.1569



45.6943, 0.4921, 0.4158



18.2988, 0.3139, 0.3057



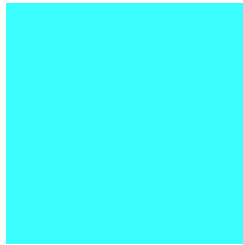
14.8399, 0.3222, 0.1548



1.4454, 0.3220, 0.1548

Previews

White Background



This preview shows how the Yxy color 79.0334, 0.2292, 0.3276 looks on a white background.

Color Contrast Check

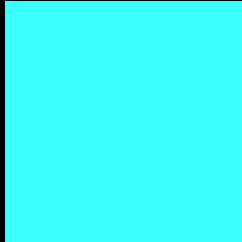
Large Text (above 18pt) WCAG AA × Fail

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 79.0334, 0.2292, 0.3276 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

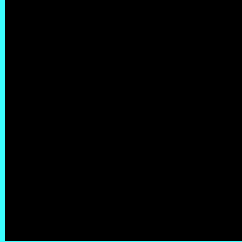
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

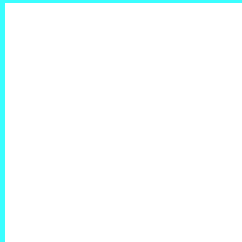
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 79.0334, 0.2292, 0.3276

Background



This preview shows how black text looks on a background with the Yxy color 79.0334, 0.2292, 0.3276.

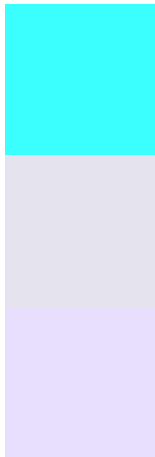


This preview shows how white text looks on a background with the Yxy color 79.0334, 0.2292, 0.3276.

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

79.0334, 0.2292, 0.3276

Protanopia

77.7692, 0.3071, 0.3175

Deuteranopia

77.1512, 0.2986, 0.2964



Tritanopia

78.0952, 0.2579, 0.3143

Trichromacy



Original Color

79.0334, 0.2292, 0.3276



Protanomaly

75.3155, 0.2665, 0.3209



Deuteranomaly

74.5007, 0.2617, 0.3054



Tritanomaly

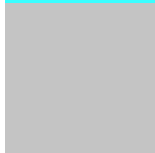
77.3425, 0.2436, 0.3184

Monochromacy



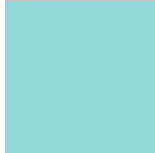
Original Color

79.0334, 0.2292, 0.3276



Achromatopsia

55.2011, 0.3127, 0.3290



Achromatomaly

60.7465, 0.2663, 0.3289

CSS Examples

Text

The CSS property to change the color of the text to Yxy 79.0334, 0.2292, 0.3276 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(59, 254, 255)` looks like.

```
.text, #text, p{  
    color:rgb(59, 254, 255)  
}
```

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(59, 254, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(59, 254, 255) }
```

Border

The CSS property to change the border of an element to Yxy 79.0334, 0.2292, 0.3276 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(59, 254, 255) }
```

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

```
.border{ border-color:rgb(59, 254, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(59, 254, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(59, 254, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(59, 254, 255);  
box-shadow:4px 4px 4px 4px rgb(59, 254,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 79.0334, 0.2292, 0.3276 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(59, 254, 255) }
```

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

```
.background{ background-color: rgb(59, 254,  
255) }
```

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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