

Converting Colors

$Y_{xy}(79.5111, 0.2296, 0.3199)$

Have a look what the booklet for
Yxy(79.5111, 0.2296, 0.3199)
contains.

Yxy(78.9264, 0.2316, 0.3264)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(78.9264, 0.2316, 0.3264)

Conversions

Conversions Part 1

Format	Color
Hex	4AFDFF
RGB	74, 253, 255
RGB Percent	29%, 99%, 100%
CMY	0.7094, 0.0078, 0.0000
CMYK	0.71, 0.01, 0.00, 0.00
HSL	181°, 100%, 65%
HSV	181°, 71%, 100%
XYZ	56.0029, 78.9264, 106.8795
YIQ	199.7070, -107.3260, -37.3260

Conversions

Conversions Part 2

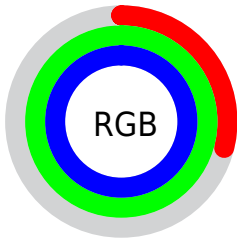
Format	Color
RYB	74, 164, 255
Decimal	4914687
CIELab	91.20, -42.90, -13.94
CIELCh	91, 45.106, 197.997
Yxy	78.9264, 0.2316, 0.3264
Android (android.graphics.Color)	4283104767 (0xFF4AFDFF)
YUV	199.7070, 27.2594, -110.2450
Hunter-Lab	88.8405, -42.9488, -9.1404

Details

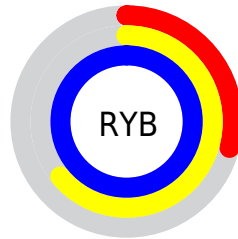
The Yxy color **78.9264, 0.2316, 0.3264** is a light color, and the websafe version is hex **33FFFF**. The color can be described as light washed cyan. A complement of this color would be **26.9355, 0.5542, 0.3312**, and the grayscale version is **57.4668, 0.3127, 0.3290**.

A 20% lighter version of the original color is **84.9430, 0.2549, 0.3288**, and **43.5571, 0.2238, 0.3257** is the 20% darker color. If you saturate the color by 10%, you get **77.9356, 0.2273, 0.3260**, and if you desaturate by 10%, it is **80.3333, 0.2379, 0.3268**.

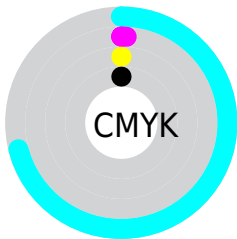
Distribution



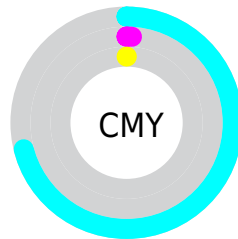
- Red (29%)
- Green (99%)
- Blue (100%)



- Red (29%)
- Yellow (64%)
- Blue (100%)



- Cyan (71%)
- Magenta (1%)
- Yellow (0%)
- Black (0%)




- Cyan (71%)
- Magenta (1%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 78.9264, 0.2316, 0.3264 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 78.9264, 0.2316, 0.3264 by changing the saturation by 10% instead.


 78.9264, 0.2316,
0.3264

 78.9264, 0.2316,
0.3264


491.3073, 0.2675,
0.3287

 58.8353, 0.2238,
0.3256


 131.8552, 0.2437,
0.3274


 42.4805, 0.2144,
0.3245


 165.4618, 0.2485,
0.3278

 29.4778, 0.2029,
0.3230


 204.3422, 0.2527,
0.3280

 19.4425, 0.1884,
0.3207

 248.8810, 0.2564,
0.3282

 11.9905, 0.1698,
0.3170

299.4625, 0.2596,
0.3284

 6.7372, 0.1452,
0.3109

356.4712, 0.2625,

 3.2983, 0.1119,

0.3285

0.2996

420.2913, 0.2651,
0.3286

■ 1.2894, 0.0293,
0.2875

■ 0.1330, 0.0000,
0.1055

■ 78.9264, 0.2316,
0.3264

■ 78.9264, 0.2316,
0.3264

■ 77.9356, 0.2273,
0.3260

■ 80.3333, 0.2379,
0.3268

■ 77.2991, 0.2248,
0.3257

■ 82.1917, 0.2461,
0.3272

■ 76.9558, 0.2237,
0.3253

■ 84.5430, 0.2562,
0.3276

■ 87.4215, 0.2680,
0.3279

■ 90.8587, 0.2814,
0.3283

■ 94.8833, 0.2959,
0.3286

■ 99.5223, 0.3112,
0.3290

■ 99.9993, 0.3127,
0.3290

Harmonies

Analogous

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



78.9264, 0.2670, 0.3796



78.9264, 0.2316, 0.3264



78.9264, 0.2173, 0.2800

Triad

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



78.9264, 0.2316, 0.3264



78.9264, 0.3017, 0.2573



78.9264, 0.4054, 0.4016

Complementary

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



78.9264, 0.2316, 0.3264



26.9355, 0.5542, 0.3312

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.



78.9264, 0.4184, 0.3641



78.9264, 0.2316, 0.3264



78.9264, 0.3557, 0.2847

Square

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



78.9264, 0.2316, 0.3264



78.9264, 0.2549, 0.2454



78.9264, 0.4000, 0.3225



78.9264, 0.3674, 0.4237

Rectangle

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



78.9264, 0.2316, 0.3264



78.9264, 0.2203, 0.2592



78.9264, 0.4000, 0.3225



78.9264, 0.4130, 0.3902

Sweetspot

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



78.9294, 0.2316, 0.3264



90.8447, 0.2813, 0.3283



73.4687, 0.3020, 0.5571



19.2292, 0.2775, 0.3282



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.



78.9294, 0.2316, 0.3264



77.6452, 0.2261, 0.3259



35.4262, 0.2023, 0.2092



20.4451, 0.2980, 0.3287



40.2308, 0.2237, 0.3254



3.9277, 0.2238, 0.3258

Inverse Universe

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



33.2612, 0.3219, 0.1743



29.7297, 0.3230, 0.1611



48.5007, 0.4763, 0.4136



18.2967, 0.3140, 0.3058



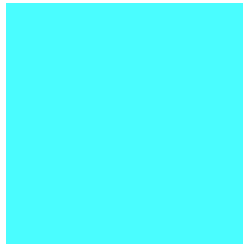
14.7893, 0.3237, 0.1557



1.4411, 0.3233, 0.1555

Previews

White Background



This preview shows how the Yxy color 78.9264, 0.2316, 0.3264 looks on a white background.

Color Contrast Check

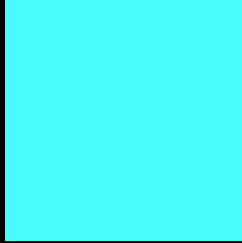
Large Text (above 18pt) WCAG AA × Fail

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 78.9264, 0.2316, 0.3264 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

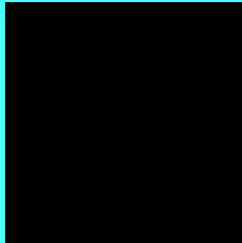
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 78.9264, 0.2316, 0.3264

Background



This preview shows how black text looks on a background with the Yxy color 78.9264, 0.2316, 0.3264.

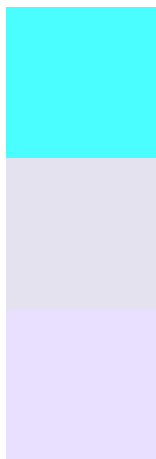


This preview shows how white text looks on a background with the Yxy color 78.9264, 0.2316, 0.3264.

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

78.9264, 0.2316, 0.3264

Protanopia

77.2827, 0.3065, 0.3154

Deuteranopia

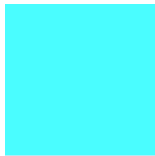
77.3190, 0.2993, 0.2965



Tritanopia

78.1978, 0.2584, 0.3143

Trichromacy



Original Color

78.9264, 0.2316, 0.3264



Protanomaly

75.4677, 0.2691, 0.3187



Deuteranomaly

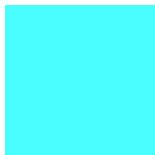
75.1796, 0.2648, 0.3056



Tritanomaly

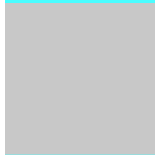
77.7987, 0.2458, 0.3184

Monochromacy



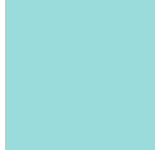
Original Color

78.9264, 0.2316, 0.3264



Achromatopsia

57.7580, 0.3127, 0.3290



Achromatomaly

62.7004, 0.2695, 0.3276

CSS Examples

Text

The CSS property to change the color of the text to Yxy 78.9264, 0.2316, 0.3264 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(74, 253, 255)` looks like.

```
.text, #text, p{  
    color:rgb(74, 253, 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(74, 253, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(74, 253, 255) }
```

Border

The CSS property to change the border of an element to Yxy 78.9264, 0.2316, 0.3264 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(74, 253, 255) }
```

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

```
.border{ border-color:rgb(74, 253, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(74, 253, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(74, 253, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(74, 253, 255);  
box-shadow:4px 4px 4px 4px rgb(74, 253,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 78.9264, 0.2316, 0.3264 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(74, 253, 255) }
```

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

```
.background{ background-color: rgb(74, 253,  
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](#).

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