

Converting Colors

$Y_{xy}(78.4815, 0.2324, 0.3294)$

Have a look what the booklet for
Yxy(78.4815, 0.2324, 0.3294)
contains.

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Color

Yxy(78.6953, 0.2325, 0.3300)

Conversions

Conversions Part 1

Format	Color
Hex	49FDFC
RGB	73, 253, 252
RGB Percent	29%, 99%, 99%
CMY	0.7133, 0.0078, 0.0119
CMYK	0.71, 0.00, 0.00, 0.01
HSL	180°, 98%, 64%
HSV	180°, 71%, 99%
XYZ	55.4444, 78.6953, 104.3309
YIQ	199.0660, -106.9590, -38.4710

Conversions

Conversions Part 2

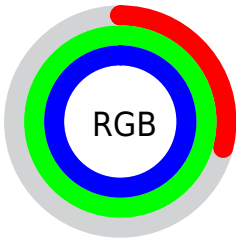
Format	Color
R _Y B	73, 163, 253
Decimal	4849148
CIE Lab	91.10, -43.85, -12.52
CIE LCh	91, 45.600, 195.942
Yxy	78.6953, 0.2325, 0.3300
Android (android.graphics.Color)	4283039228 (0xFF49FDFC)
YUV	199.0660, 26.0965, -110.5599
Hunter-Lab	88.7104, -43.6798, -7.6328

Details

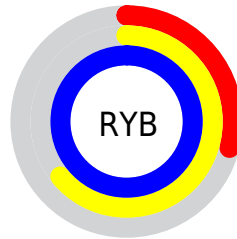
The Yxy color **78.6953, 0.2325, 0.3300** is a light color, and the websafe version is hex **33FFFF**. The color can be described as light washed cyan. A complement of this color would be **26.1593, 0.5550, 0.3289**, and the grayscale version is **57.0615, 0.3127, 0.3290**.

A 20% lighter version of the original color is **84.8510, 0.2545, 0.3288**, and **43.4200, 0.2251, 0.3303** is the 20% darker color. If you saturate the color by 10%, you get **77.8920, 0.2284, 0.3302**, and if you desaturate by 10%, it is **79.9063, 0.2386, 0.3298**.

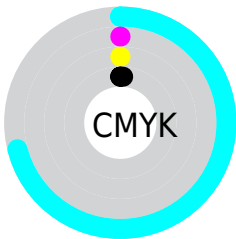
Distribution



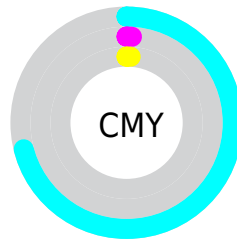
- Red (29%)
- Green (99%)
- Blue (99%)



- Red (29%)
- Yellow (64%)
- Blue (99%)



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




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

Brightness & Saturation Gradients


These gradients show how the Yxy color 78.6953, 0.2325, 0.3300 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 78.6953, 0.2325, 0.3300 by changing the saturation by 10% instead.

 78.6953, 0.2325,
0.3300


 78.6953, 0.2325,
0.3300


490.5249, 0.2681,
0.3306

 58.6453, 0.2248,
0.3296


 131.5298, 0.2445,
0.3304


 42.3277, 0.2154,
0.3290

 165.0831, 0.2493,
0.3305

 29.3580, 0.2040,
0.3281


 203.9064, 0.2534,
0.3306

 19.3518, 0.1895,
0.3265

 248.3839, 0.2571,
0.3306

 11.9247, 0.1709,
0.3239

298.9001, 0.2603,
0.3307

 6.6924, 0.1462,
0.3192

355.8395, 0.2632,

 3.2705, 0.1127,

0.3307

0.3101

419.5863, 0.2657,
0.3306

■ 1.2745, 0.0231,
0.3033

■ 0.1214, 0.0000,
0.1074

■ 78.6953, 0.2325,
0.3300

■ 78.6953, 0.2325,
0.3300

■ 77.8920, 0.2284,
0.3302

■ 79.9063, 0.2386,
0.3298

■ 77.4353, 0.2261,
0.3304

■ 81.5597, 0.2466,
0.3297

■ 77.2507, 0.2252,
0.3305

■ 83.6960, 0.2565,
0.3295

■ 86.3492, 0.2682,
0.3294

89.5500, 0.2813,
0.3292

93.3268, 0.2957,
0.3291

97.7059, 0.3110,
0.3290

98.6117, 0.3139,
0.3289

98.6210, 0.3138,
0.3287

Harmonies

Analogous

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



78.6953, 0.2695, 0.3836



78.6953, 0.2325, 0.3300



78.6953, 0.2166, 0.2821

Triad

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



78.6953, 0.2325, 0.3300



78.6953, 0.2979, 0.2552



78.6953, 0.4083, 0.4001

Complementary

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



78.6953, 0.2325, 0.3300



26.1593, 0.5550, 0.3289

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.



78.6953, 0.4194, 0.3615



78.6953, 0.2325, 0.3300



78.6953, 0.3526, 0.2819

Square

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



78.6953, 0.2325, 0.3300



78.6953, 0.2516, 0.2443



78.6953, 0.3987, 0.3195



78.6953, 0.3712, 0.4241

Rectangle

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



78.6953, 0.2325, 0.3300



78.6953, 0.2186, 0.2601



78.6953, 0.3987, 0.3195



78.6953, 0.4154, 0.3882

Sweetspot

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



78.6983, 0.2325, 0.3300



91.2001, 0.2815, 0.3292



72.2750, 0.3029, 0.5568



19.3153, 0.2777, 0.3293



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.



78.6983, 0.2325, 0.3300



79.0765, 0.2273, 0.3302



35.8054, 0.2032, 0.2132



20.4796, 0.2981, 0.3291



41.0948, 0.2251, 0.3305



4.0018, 0.2251, 0.3303

Inverse Universe

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



26.1593, 0.5550, 0.3289



22.8121, 0.6109, 0.3294



46.5275, 0.4794, 0.4108



17.9888, 0.3294, 0.3289



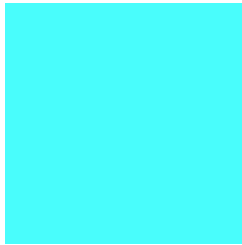
11.1112, 0.6395, 0.3296



1.0824, 0.6381, 0.3289

Previews

White Background



This preview shows how the Yxy color 78.6953, 0.2325, 0.3300 looks on a white background.

Color Contrast Check

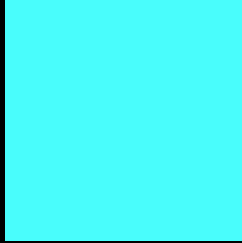
Large Text (above 18pt) WCAG AA × Fail

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 78.6953, 0.2325, 0.3300 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

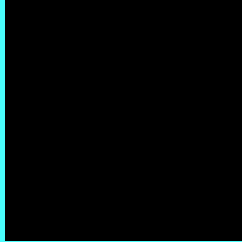
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 78.6953, 0.2325, 0.3300

Background



This preview shows how black text looks on a background with the Yxy color 78.6953, 0.2325, 0.3300.

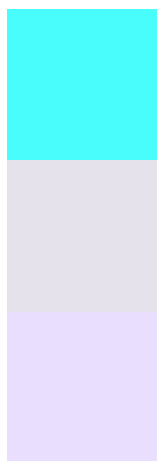


This preview shows how white text looks on a background with the Yxy color 78.6953, 0.2325, 0.3300.

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

78.6953, 0.2325, 0.3300

Protanopia

77.1069, 0.3084, 0.3185

Deuteranopia

76.9550, 0.2999, 0.2955



Tritanopia

78.0952, 0.2579, 0.3143

Trichromacy



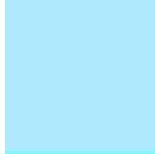
Original Color

78.6953, 0.2325, 0.3300



Protanomaly

75.1724, 0.2701, 0.3221



Deuteranomaly

74.5475, 0.2652, 0.3055



Tritanomaly

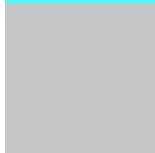
77.6565, 0.2459, 0.3196

Monochromacy



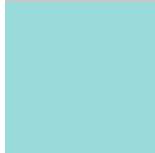
Original Color

78.6953, 0.2325, 0.3300



Achromatopsia

57.1125, 0.3127, 0.3290



Achromatomaly

62.4973, 0.2700, 0.3301

CSS Examples

Text

The CSS property to change the color of the text to Yxy 78.6953, 0.2325, 0.3300 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(73, 253, 252)` looks like.

```
.text, #text, p{  
    color:rgb(73, 253, 252)  
}
```

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(73, 253, 252) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(73, 253, 252) }
```

Border

The CSS property to change the border of an element to Yxy 78.6953, 0.2325, 0.3300 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(73, 253, 252) }
```

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

```
.border{ border-color:rgb(73, 253, 252) }
```

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

Here you see how a box with a 4 pixel `rgb(73, 253, 252)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(73, 253, 252); -webkit-box-  
shadow:4px 4px 4px 4px rgb(73, 253, 252);  
box-shadow:4px 4px 4px 4px rgb(73, 253,  
252) }
```


Background

The CSS property to change the background color of an element to Yxy 78.6953, 0.2325, 0.3300 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(73, 253, 252) }
```

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

```
.background{ background-color: rgb(73, 253,  
252) }
```

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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