

Converting Colors

$Y_{xy}(71.4746, 0.2250, 0.3293)$

Have a look what the booklet for
Yxy(71.4746, 0.2250, 0.3293)
contains.

Yxy(71.2653, 0.2248, 0.3287)	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(71.2653, 0.2248, 0.3287)

Conversions

Conversions Part 1

Format	Color
Hex	04F4F4
RGB	4, 244, 244
RGB Percent	2%, 96%, 96%
CMY	0.9836, 0.0431, 0.0430
CMYK	0.98, 0.00, 0.00, 0.04
HSL	180°, 97%, 49%
HSV	180°, 98%, 96%
XYZ	48.7388, 71.2653, 96.8055
YIQ	172.2400, -143.0400, -50.8800

Conversions

Conversions Part 2

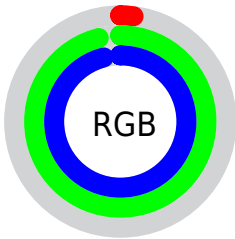
Format	Color
R _Y B	4, 124, 244
Decimal	324852
CIE Lab	87.61, -46.41, -13.67
CIE LCh	88, 48.378, 196.413
Yxy	71.2653, 0.2248, 0.3287
Android (android.graphics.Color)	4278514932 (0xFF04F4F4)
YUV	172.2400, 35.3777, -147.5465
Hunter-Lab	84.4188, -44.6767, -8.8964

Details

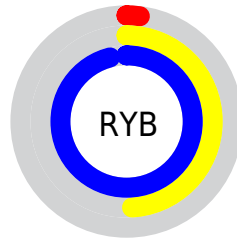
The Yxy color **71.2653, 0.2248, 0.3287** is a light color, and the websafe version is hex **33FFFF**. The color can be described as light saturated cyan. A complement of this color would be **19.3407, 0.6379, 0.3300**, and the grayscale version is **41.2873, 0.3127, 0.3290**.

A 20% lighter version of the original color is **82.6619, 0.2443, 0.3288**, and **39.1715, 0.2242, 0.3271** is the 20% darker color. If you saturate the color by 10%, you get **71.2407, 0.2246, 0.3287**, and if you desaturate by 10%, it is **71.4980, 0.2261, 0.3287**.

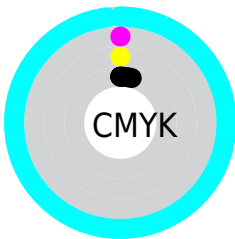
Distribution



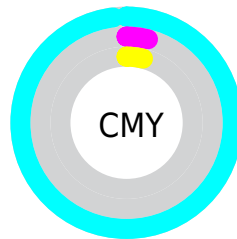
- Red (2%)
- Green (96%)
- Blue (96%)



- Red (2%)
- Yellow (49%)
- Blue (96%)



- Cyan (98%)
- Magenta (0%)
- Yellow (0%)
- Black (4%)





- Cyan (98%)
- Magenta (4%)
- Yellow (4%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 71.2653, 0.2248, 0.3287 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 71.2653, 0.2248, 0.3287 by changing the saturation by 10% instead.

 71.2653, 0.2248,
0.3287


 71.2653, 0.2248,
0.3287


464.9803, 0.2643,
0.3302

 52.5587, 0.2161,
0.3280


 121.0114, 0.2382,
0.3295


 37.4506, 0.2056,
0.3271


 152.8197, 0.2436,
0.3297

 25.5566, 0.1926,
0.3256


 189.7641, 0.2482,
0.3299

 16.4922, 0.1761,
0.3232

 232.2289, 0.2522,
0.3300

 9.8731, 0.1549,
0.3193

280.5985, 0.2558,
0.3301

 5.3149, 0.1268,
0.3122

335.2574, 0.2589,

 2.4332, 0.0884,

0.3301

0.2984

396.5898, 0.2618,
0.3301

■ 0.8429, 0.0000,
0.2780

■ 0.0000, 0.0000,
0.0000

■ 71.2653, 0.2248,
0.3287

■ 71.2653, 0.2248,
0.3287

■ 71.2407, 0.2246,
0.3287

■ 71.4980, 0.2261,
0.3287

■ 72.0012, 0.2290,
0.3287

■ 72.8406, 0.2337,
0.3287

■ 74.0611, 0.2404,
0.3288

■ 75.7009, 0.2490,
0.3288

■ 77.7933, 0.2595,
0.3288

■ 80.3685, 0.2716,
0.3289

■ 83.4540, 0.2852,
0.3289

■ 87.0751, 0.2999,
0.3290

Harmonies

Analogous

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



71.2653, 0.2644, 0.3884



71.2653, 0.2248, 0.3287



71.2653, 0.2082, 0.2765

Triad

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



71.2653, 0.2248, 0.3287



71.2653, 0.2972, 0.2493



71.2653, 0.4166, 0.4064

Complementary

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



71.2653, 0.2248, 0.3287



19.3407, 0.6379, 0.3300

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.



71.2653, 0.4297, 0.3643



71.2653, 0.2248, 0.3287



71.2653, 0.3571, 0.2783

Square

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



71.2653, 0.2248, 0.3287



71.2653, 0.2467, 0.2371



71.2653, 0.4077, 0.3189



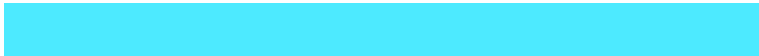
71.2653, 0.3752, 0.4334

Rectangle

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



71.2653, 0.2248, 0.3287



71.2653, 0.2107, 0.2532



71.2653, 0.4077, 0.3189



71.2653, 0.4246, 0.3934

Sweetspot

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



71.2679, 0.2248, 0.3287



88.5637, 0.2706, 0.3289



64.7617, 0.3000, 0.5990



18.6854, 0.2653, 0.3288



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.



71.2679, 0.2248, 0.3287



78.7189, 0.2246, 0.3287



21.0032, 0.1775, 0.1579



18.7575, 0.2981, 0.3290



38.7224, 0.2246, 0.3287



3.4034, 0.2246, 0.3287

Inverse Universe

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



25.8631, 0.3209, 0.1546



28.4779, 0.3210, 0.1542



33.6916, 0.5400, 0.4082



16.7683, 0.3138, 0.3057



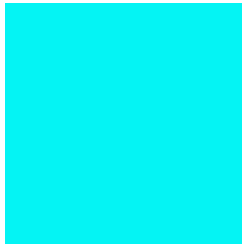
14.0084, 0.3210, 0.1542



1.2312, 0.3209, 0.1542

Previews

White Background



This preview shows how the Yxy color 71.2653, 0.2248, 0.3287 looks on a white background.

Color Contrast Check

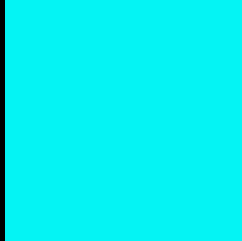
Large Text (above 18pt) WCAG AA × Fail

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 71.2653, 0.2248, 0.3287 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

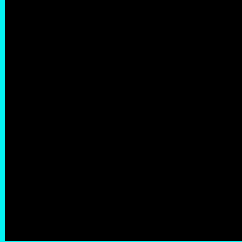
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 71.2653, 0.2248, 0.3287

Background



This preview shows how black text looks on a background with the Yxy color 71.2653, 0.2248, 0.3287.



This preview shows how white text looks on a background with the Yxy color 71.2653, 0.2248, 0.3287.

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

71.2588, 0.2248, 0.3287

Protanopia

69.7179, 0.3075, 0.3170

Deuteranopia

69.7400, 0.2949, 0.2881



Tritanopia

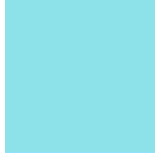
71.0217, 0.2335, 0.3084

Trichromacy



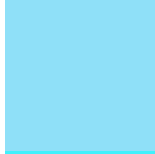
Original Color

71.2588, 0.2248, 0.3287



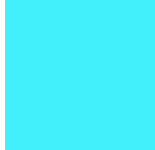
Protanomaly

65.9386, 0.2569, 0.3203



Deuteranomaly

65.9283, 0.2502, 0.3004



Tritanomaly

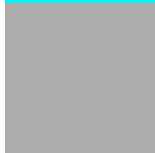
70.4090, 0.2272, 0.3152

Monochromacy



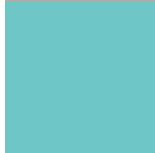
Original Color

71.2588, 0.2248, 0.3287



Achromatopsia

41.2543, 0.3127, 0.3290



Achromatomaly

47.8449, 0.2539, 0.3288

CSS Examples

Text

The CSS property to change the color of the text to Yxy 71.2653, 0.2248, 0.3287 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(4, 244, 244)` looks like.

```
.text, #text, p{  
    color:rgb(4, 244, 244)  
}
```

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(4, 244, 244) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(4, 244, 244) }
```

Border

The CSS property to change the border of an element to Yxy 71.2653, 0.2248, 0.3287 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(4, 244, 244) }
```

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

```
.border{ border-color:rgb(4, 244, 244) }
```

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

Here you see how a box with a 4 pixel `rgb(4, 244, 244)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(4, 244, 244); -webkit-box-  
shadow:4px 4px 4px 4px rgb(4, 244, 244);  
box-shadow:4px 4px 4px 4px rgb(4, 244,  
244) }
```


Background

The CSS property to change the background color of an element to Yxy 71.2653, 0.2248, 0.3287 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(4, 244, 244) }
```

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

```
.background{ background-color: rgb(4, 244,  
244) }
```

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