

Converting Colors

$Yxy(70.4464, 0.2333, 0.3291)$

Have a look what the booklet for
Yxy(70.4464, 0.2333, 0.3291)
contains.

Yxy(70.6577, 0.2336, 0.3300)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

$\text{Yxy}(70.6577, 0.2336, 0.3300)$

Conversions

Conversions Part 1

Format	Color
Hex	4AF1F0
RGB	74, 241, 240
RGB Percent	29%, 95%, 94%
CMY	0.7091, 0.0549, 0.0588
CMYK	0.69, 0.00, 0.00, 0.05
HSL	180°, 86%, 62%
HSV	180°, 69%, 95%
XYZ	50.0171, 70.6577, 93.4395
YIQ	190.9530, -99.2110, -35.7150

Conversions

Conversions Part 2

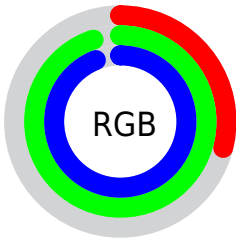
Format	Color
R_{YB}	74, 158, 241
Decimal	4911600
CIE _{Lab}	87.32, -41.66, -11.92
CIE _{LCh}	87, 43.337, 195.969
Yxy	70.6577, 0.2336, 0.3300
Android (android.graphics.Color)	4283101680 (0xFF4AF1F0)
YUV	190.9530, 24.1802, -102.5678
Hunter-Lab	84.0581, -40.8889, -7.0664

Details

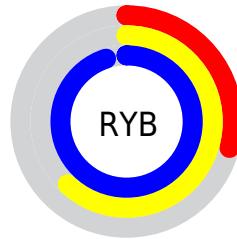
The Yxy color **70.6577, 0.2336, 0.3300** is a light color, and the websafe version is hex **66FFFF**. The color can be described as light washed cyan. A complement of this color would be **24.1314, 0.5453, 0.3289**, and the grayscale version is **52.0017, 0.3127, 0.3290**.

A 20% lighter version of the original color is **84.7597, 0.2541, 0.3288**, and **37.7417, 0.2247, 0.3287** is the 20% darker color. If you saturate the color by 10%, you get **69.8690, 0.2291, 0.3302**, and if you desaturate by 10%, it is **71.8181, 0.2400, 0.3298**.

Distribution



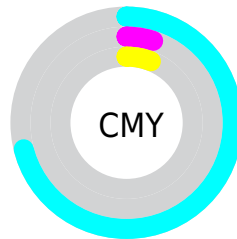
- Red (29%)
- Green (95%)
- Blue (94%)



- Red (29%)
- Yellow (62%)
- Blue (95%)



- Cyan (69%)
- Magenta (0%)
- Yellow (0%)
- Black (5%)




- Cyan (71%)
- Magenta (5%)
- Yellow (6%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 70.6577, 0.2336, 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 70.6577, 0.2336, 0.3300 by changing the saturation by 10% instead.


 70.6577, 0.2336,
0.3300


 70.6577, 0.2336,
0.3300

462.8559, 0.2694,
0.3306


 52.0629, 0.2257,
0.3296


 120.1462, 0.2458,
0.3304


 37.0552, 0.2160,
0.3290


 151.8087, 0.2506,
0.3305

 25.2502, 0.2040,
0.3280


 188.5959, 0.2548,
0.3306

 16.2636, 0.1887,
0.3263

 230.8922, 0.2585,
0.3306

 9.7109, 0.1687,
0.3235

279.0819, 0.2617,
0.3306

 5.2077, 0.1418,
0.3181

333.5495, 0.2645,

 2.3696, 0.1043,

0.3306

394.6794, 0.2671,
0.3306

0.3070

0.8102, 0.0000,
0.2959

0.0000, 0.0000,
0.0000

70.6577, 0.2336,
0.3300

70.6577, 0.2336,
0.3300

69.8690, 0.2291,
0.3302

71.8181, 0.2400,
0.3298

69.3997, 0.2264,
0.3304


73.3797, 0.2485,
0.3297

69.1840, 0.2252,
0.3306


75.3778, 0.2587,
0.3295


69.1712, 0.2252,
0.3306

77.8420, 0.2707,
0.3294

 80.7990, 0.2840,
0.3292

 84.2738, 0.2986,
0.3291

 88.2895, 0.3139,
0.3290

 90.5257, 0.3219,
0.3289

 90.5343, 0.3218,
0.3287

Harmonies

Analogous

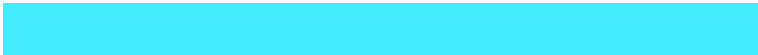
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



70.6577, 0.2701, 0.3827



70.6577, 0.2336, 0.3300



70.6577, 0.2178, 0.2828

Triad

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



70.6577, 0.2336, 0.3300



70.6577, 0.2982, 0.2561



70.6577, 0.4069, 0.3992

Complementary

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



70.6577, 0.2336, 0.3300



24.1314, 0.5453, 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.



70.6577, 0.4178, 0.3612



70.6577, 0.2336, 0.3300



70.6577, 0.3520, 0.2826

Square

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



70.6577, 0.2336, 0.3300



70.6577, 0.2525, 0.2454



70.6577, 0.3974, 0.3197



70.6577, 0.3704, 0.4227

Rectangle

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



70.6577, 0.2336, 0.3300



70.6577, 0.2198, 0.2611



70.6577, 0.3974, 0.3197



70.6577, 0.4139, 0.3875

Sweetspot

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



70.6604, 0.2336, 0.3300



91.1995, 0.2815, 0.3292



64.9790, 0.3032, 0.5511



19.3151, 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.



70.6604, 0.2336, 0.3300



79.1804, 0.2278, 0.3303



33.0822, 0.2057, 0.2171



17.9273, 0.2982, 0.3291



37.5135, 0.2252, 0.3305



3.1213, 0.2251, 0.3303

Inverse Universe

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



24.1314, 0.5453, 0.3289



23.1998, 0.6044, 0.3293



42.5744, 0.4735, 0.4097



15.7604, 0.3292, 0.3289



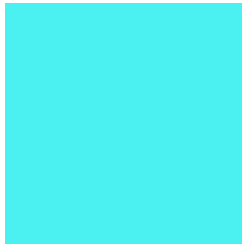
10.1434, 0.6394, 0.3296



0.8444, 0.6378, 0.3287

Previews

White Background



This preview shows how the Yxy color 70.6577, 0.2336, 0.3300 looks on a white background.

Color Contrast Check

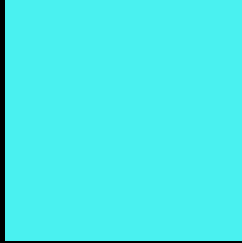
Large Text (above 18pt) WCAG AA × Fail

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 70.6577, 0.2336, 0.3300 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

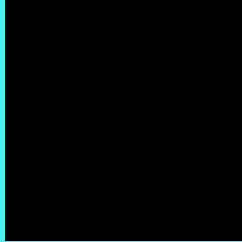
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 70.6577, 0.2336, 0.3300

Background



This preview shows how black text looks on a background with the Yxy color 70.6577, 0.2336, 0.3300.

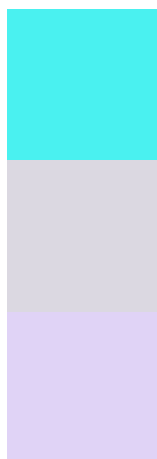


This preview shows how white text looks on a background with the Yxy color 70.6577, 0.2336, 0.3300.

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

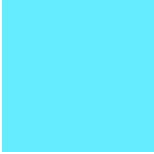
70.6577, 0.2336, 0.3300

Protanopia

69.6080, 0.3089, 0.3192

Deuteranopia

69.0896, 0.2987, 0.2921



Tritanopia

70.5551, 0.2338, 0.3072

Trichromacy



Original Color

70.6577, 0.2336, 0.3300



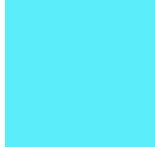
Protanomaly

67.6706, 0.2717, 0.3230



Deuteranomaly

67.3203, 0.2661, 0.3035



Tritanomaly

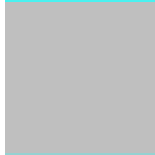
70.2753, 0.2331, 0.3142

Monochromacy



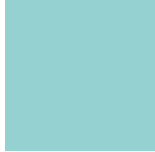
Original Color

70.6577, 0.2336, 0.3300



Achromatopsia

52.0996, 0.3127, 0.3290



Achromatomaly

56.5939, 0.2714, 0.3289

CSS Examples

Text

The CSS property to change the color of the text to Yxy 70.6577, 0.2336, 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(74, 241, 240)` looks like.

```
.text, #text, p{  
    color:rgb(74, 241, 240)  
}
```

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, 241, 240) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(74, 241, 240) }
```

Border

The CSS property to change the border of an element to Yxy 70.6577, 0.2336, 0.3300 is called "border". The border property can be set on classes, ids or directly on the HTML element.

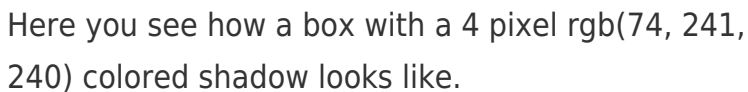
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(74, 241, 240) }
```

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

```
.border{ border-color:rgb(74, 241, 240) }
```

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



Here you see how a box with a 4 pixel `rgb(74, 241, 240)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(74, 241, 240); -webkit-box-  
shadow:4px 4px 4px 4px rgb(74, 241, 240);  
box-shadow:4px 4px 4px 4px rgb(74, 241,  
240) }
```


Background

The CSS property to change the background color of an element to Yxy 70.6577, 0.2336, 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(74, 241, 240) }
```

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

```
.background{ background-color: rgb(74, 241,  
240) }
```

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