

Converting Colors

$Y_{xy}(71.7360, 0.2740, 0.4243)$

Have a look what the booklet for
Yxy(71.7360, 0.2740, 0.4243)
contains.

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Color

Yxy(71.9928, 0.2741, 0.4249)

Conversions

Conversions Part 1

Format	Color
Hex	6AF6AD
RGB	106, 246, 173
RGB Percent	42%, 96%, 68%
CMY	0.5844, 0.0353, 0.3214
CMYK	0.57, 0.00, 0.30, 0.04
HSL	149°, 89%, 69%
HSV	149°, 57%, 96%
XYZ	46.4420, 71.9928, 50.9998
YIQ	195.8180, -60.0070, -52.3830

Conversions

Conversions Part 2

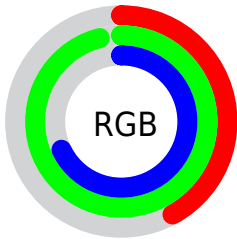
Format	Color
RYB	106, 201, 246
Decimal	7009965
CIELab	87.97, -54.31, 23.93
CIELCh	88, 59.346, 156.222
Yxy	71.9928, 0.2741, 0.4249
Android (android.graphics.Color)	4285200045 (0xFF6AF6AD)
YUV	195.8180, -11.2493, -78.7704
Hunter-Lab	84.8486, -50.7826, 23.7566

Details

The Yxy color **71.9928, 0.2741, 0.4249** is a light color, and the websafe version is hex **66FFCC**. A complement of this color would be **33.1480, 0.3923, 0.2535**, and the grayscale version is **55.1810, 0.3127, 0.3290**.

A 20% lighter version of the original color is **85.3926, 0.2762, 0.3582**, and **38.0583, 0.2635, 0.4521** is the 20% darker color. If you saturate the color by 10%, you get **70.2262, 0.2712, 0.4455**, and if you desaturate by 10%, it is **74.2449, 0.2787, 0.4049**.

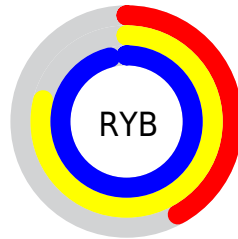
Distribution



Red (42%)

Green (96%)

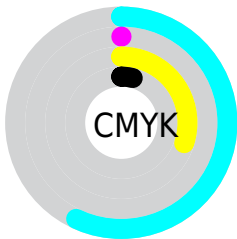
Blue (68%)



Red (42%)

Yellow (79%)

Blue (96%)

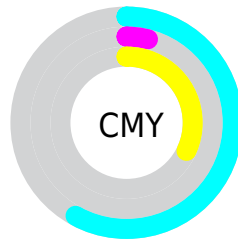


Cyan (57%)

Magenta (0%)

Yellow (30%)

Black (4%)



Cyan (58%)

Magenta (4%)


Yellow (32%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 71.9928, 0.2741, 0.4249 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 71.9928, 0.2741, 0.4249 by changing the saturation by 10% instead.


 71.9928, 0.2741,
0.4249


 71.9928, 0.2741,
0.4249


467.5165, 0.2934,
0.3776


 53.1528, 0.2693,
0.4364


 122.0463, 0.2811,
0.4079

 37.9248, 0.2633,
0.4511

 154.0286, 0.2837,
0.4014

 25.9243, 0.2552,
0.4703

 191.1604, 0.2859,
0.3960

 16.7670, 0.2443,
0.4963

233.8262, 0.2879,
0.3913

 10.0685, 0.2284,
0.5335

282.4103, 0.2895,
0.3872

 5.4444, 0.2037,
0.5903

337.2971, 0.2910,

 2.5103, 0.1583,

0.3836

0.7037

398.8711, 0.2922,
0.3804

0.8818, 0.0000,
1.0000

0.0000, 0.0000,
0.0000

71.9928, 0.2741,
0.4249

71.9928, 0.2741,
0.4249

70.2262, 0.2712,
0.4455

74.2449, 0.2787,
0.4049

68.8970, 0.2702,
0.4662


77.0088, 0.2846,
0.3860

67.9621, 0.2712,
0.4863


80.3187, 0.2915,
0.3685

67.3629, 0.2741,
0.5053

84.2037, 0.2991,
0.3525

 67.2185, 0.2752,
0.5108

 88.6905, 0.3071,
0.3381

 93.8043, 0.3152,
0.3252

 94.3949, 0.3131,
0.3204

Harmonies

Analogous

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



71.9928, 0.3425, 0.4602



71.9928, 0.2741, 0.4249



71.9928, 0.2197, 0.3530

Triad

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



71.9928, 0.2741, 0.4249



71.9928, 0.2181, 0.2198



71.9928, 0.4514, 0.3502

Complementary

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



71.9928, 0.2741, 0.4249



33.1480, 0.3923, 0.2535

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.



71.9928, 0.4108, 0.2982



71.9928, 0.2741, 0.4249



71.9928, 0.2704, 0.2269

Square

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



71.9928, 0.2741, 0.4249



71.9928, 0.1913, 0.2373



71.9928, 0.3413, 0.2548



71.9928, 0.4480, 0.4033

Rectangle

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



71.9928, 0.2741, 0.4249



71.9928, 0.1977, 0.3039



71.9928, 0.3413, 0.2548



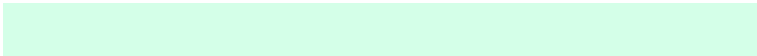
71.9928, 0.4424, 0.3324

Sweetspot

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



71.9957, 0.2741, 0.4249



91.3147, 0.2990, 0.3526



76.7371, 0.3477, 0.4893



19.3527, 0.2975, 0.3557



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.



71.9957, 0.2741, 0.4249



75.9996, 0.2710, 0.4480



75.3483, 0.2433, 0.3344



18.6042, 0.3050, 0.3416



35.9048, 0.2744, 0.5079



3.1763, 0.2679, 0.4844

Inverse Universe

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



33.1480, 0.3923, 0.2535



30.2113, 0.4167, 0.2436



31.0355, 0.4815, 0.3248



16.6268, 0.3212, 0.3167



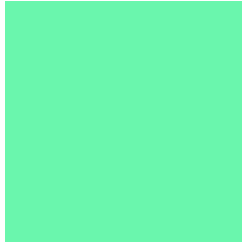
11.3210, 0.4871, 0.2457



1.0158, 0.4605, 0.2311

Previews

White Background



This preview shows how the Yxy color 71.9928, 0.2741, 0.4249 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 71.9928, 0.2741, 0.4249 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

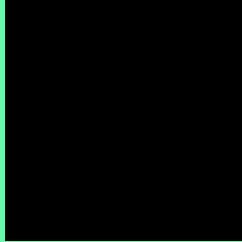
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 71.9928, 0.2741, 0.4249

Background



This preview shows how black text looks on a background with the Yxy color 71.9928, 0.2741, 0.4249.



This preview shows how white text looks on a background with the Yxy color 71.9928, 0.2741, 0.4249.

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

71.9928, 0.2741, 0.4249

Protanopia

70.8984, 0.3651, 0.3920

Deuteranopia

70.3120, 0.3674, 0.3593



Tritanopia

71.9567, 0.2439, 0.3066

Trichromacy



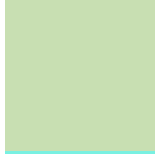
Original Color

71.9928, 0.2741, 0.4249



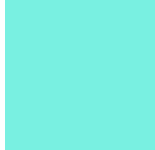
Protanomaly

69.4466, 0.3247, 0.4060



Deuteranomaly

68.2691, 0.3259, 0.3819



Tritanomaly

71.8214, 0.2545, 0.3473

Monochromacy



Original Color

71.9928, 0.2741, 0.4249



Achromatopsia

55.2011, 0.3127, 0.3290



Achromatomaly

59.5105, 0.2936, 0.3623

CSS Examples

Text

The CSS property to change the color of the text to Yxy 71.9928, 0.2741, 0.4249 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(106, 246, 173)` looks like.

```
.text, #text, p{  
    color:rgb(106, 246, 173)  
}
```

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(106, 246, 173) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(106, 246, 173) }
```

Border

The CSS property to change the border of an element to Yxy 71.9928, 0.2741, 0.4249 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(106, 246, 173) }
```

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

```
.border{ border-color:rgb(106, 246, 173) }
```

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

Here you see how a box with a 4 pixel `rgb(106, 246, 173)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(106, 246, 173); -webkit-box-shadow:4px 4px 4px 4px rgb(106, 246, 173); box-shadow:4px 4px 4px 4px rgb(106, 246, 173) }
```


Background

The CSS property to change the background color of an element to Yxy 71.9928, 0.2741, 0.4249 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(106, 246, 173) }
```

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

```
.background{ background-color: rgb(106,  
246, 173) }
```

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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