

Converting Colors

$Y_{xy}(74.7969, 0.2564, 0.4086)$

Have a look what the booklet for
Yxy(74.7969, 0.2564, 0.4086)
contains.

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Color

Yxy(74.7601, 0.2564, 0.4088)

Conversions

Conversions Part 1

Format	Color
Hex	48FCBF
RGB	72, 252, 191
RGB Percent	28%, 99%, 75%
CMY	0.7172, 0.0118, 0.2511
CMYK	0.71, 0.00, 0.24, 0.01
HSL	160°, 97%, 64%
HSV	160°, 71%, 99%
XYZ	46.8897, 74.7601, 61.2272
YIQ	191.2260, -87.6990, -57.1310

Conversions

Conversions Part 2

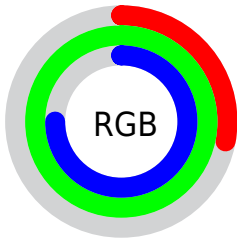
Format	Color
RYB	72, 180, 252
Decimal	4783295
CIELab	89.28, -58.72, 16.44
CIELCh	89, 60.975, 164.359
Yxy	74.7601, 0.2564, 0.4088
Android (android.graphics.Color)	4282973375 (0xFF48FCBF)
YUV	191.2260, -0.1114, -104.5612
Hunter-Lab	86.4639, -54.5108, 18.5401

Details

The Yxy color **74.7601, 0.2564, 0.4088** is a light color, and the websafe version is hex **33FFCC**. The color can be described as light washed spring green. A complement of this color would be **27.0430, 0.4730, 0.2738**, and the grayscale version is **52.2957, 0.3127, 0.3290**.

A 20% lighter version of the original color is **83.9862, 0.2563, 0.3379**, and **40.3897, 0.2522, 0.4278** is the 20% darker color. If you saturate the color by 10%, you get **73.6177, 0.2549, 0.4220**, and if you desaturate by 10%, it is **76.3271, 0.2599, 0.3957**.

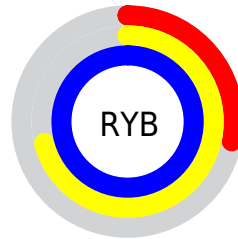
Distribution



Red (28%)

Green (99%)

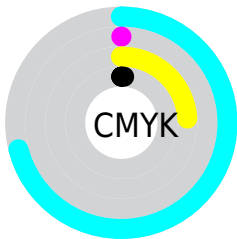
Blue (75%)



Red (28%)

Yellow (71%)

Blue (99%)

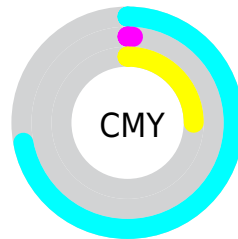


Cyan (71%)

Magenta (0%)

Yellow (24%)

Black (1%)



Cyan (72%)


Magenta (1%)


Yellow (25%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 74.7601, 0.2564, 0.4088 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 74.7601, 0.2564, 0.4088 by changing the saturation by 10% instead.


 74.7601, 0.2564,
0.4088


 74.7601, 0.2564,
0.4088


477.0926, 0.2832,
0.3701


 55.4164, 0.2501,
0.4181

 125.9727, 0.2658,
0.3950


 39.7352, 0.2423,
0.4298


 158.6104, 0.2694,
0.3898

 27.3321, 0.2324,
0.4449

 196.4482, 0.2725,
0.3853

 17.8228, 0.2192,
0.4653

 239.8705, 0.2752,
0.3814

 10.8229, 0.2010,
0.4941

289.2617, 0.2776,
0.3780

 5.9478, 0.1746,
0.5375


345.0062, 0.2797,


 2.8134, 0.1294,


0.3751


0.6117


407.4883, 0.2815,
0.3724


 1.0351, 0.0000,
1.0000


 0.0000, 0.0000,
0.0000


 74.7601, 0.2564,
0.4088


 74.7601, 0.2564,
0.4088


 73.6177, 0.2549,
0.4220


 76.3271, 0.2599,
0.3957

 72.8389, 0.2555,
0.4352


 78.3535, 0.2654,
0.3829


 72.3922, 0.2573,
0.4463


 80.8801, 0.2725,
0.3707

 83.9409, 0.2809,
0.3592

 87.5668, 0.2904,
0.3486

 91.7861, 0.3006,
0.3389

 96.6255, 0.3112,
0.3301

 98.1008, 0.3128,
0.3261

Harmonies

Analogous

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



74.7601, 0.3236, 0.4577



74.7601, 0.2564, 0.4088



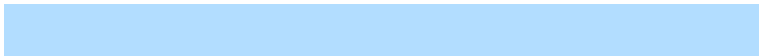
74.7601, 0.2078, 0.3323

Triad

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



74.7601, 0.2564, 0.4088



74.7601, 0.2288, 0.2182



74.7601, 0.4569, 0.3651

Complementary

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



74.7601, 0.2564, 0.4088



27.0430, 0.4730, 0.2738

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.



74.7601, 0.4273, 0.3114



74.7601, 0.2564, 0.4088



74.7601, 0.2880, 0.2314

Square

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



74.7601, 0.2564, 0.4088



74.7601, 0.1945, 0.2286



74.7601, 0.3621, 0.2644



74.7601, 0.4416, 0.4176

Rectangle

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



74.7601, 0.2564, 0.4088



74.7601, 0.1908, 0.2856



74.7601, 0.3621, 0.2644



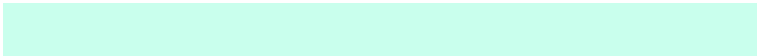
74.7601, 0.4521, 0.3469

Sweetspot

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



74.7631, 0.2564, 0.4088



90.1045, 0.2907, 0.3482



75.2474, 0.3297, 0.5395



19.0517, 0.2880, 0.3511



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.



74.7631, 0.2564, 0.4088



75.2091, 0.2549, 0.4282



62.2704, 0.2235, 0.2950



19.5026, 0.3026, 0.3372



37.7386, 0.2567, 0.4441



3.5151, 0.2524, 0.4286

Inverse Universe

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



27.0430, 0.4730, 0.2738



23.6319, 0.5238, 0.2770



30.1074, 0.5359, 0.3524



17.3224, 0.3240, 0.3210



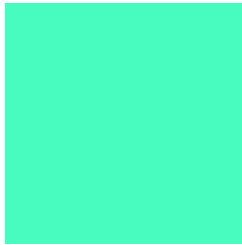
11.1510, 0.5622, 0.2871



1.0517, 0.5289, 0.2687

Previews

White Background



This preview shows how the Yxy color 74.7601, 0.2564, 0.4088 looks on a white background.

Color Contrast Check

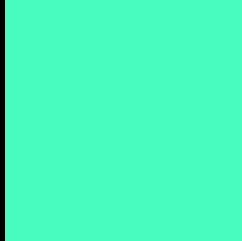
Large Text (above 18pt) WCAG AA × Fail

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 74.7601, 0.2564, 0.4088 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

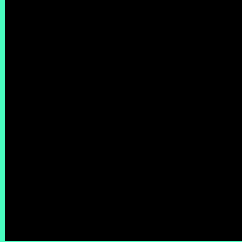
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 74.7601, 0.2564, 0.4088

Background



This preview shows how black text looks on a background with the Yxy color 74.7601, 0.2564, 0.4088.

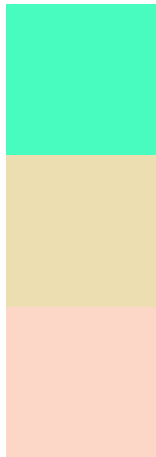


This preview shows how white text looks on a background with the Yxy color 74.7601, 0.2564, 0.4088.

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

74.7601, 0.2564, 0.4088

Protanopia

73.2100, 0.3545, 0.3786

Deuteranopia

72.9121, 0.3521, 0.3446



Tritanopia

74.3563, 0.2479, 0.3104

Trichromacy



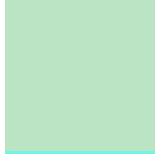
Original Color

74.7601, 0.2564, 0.4088



Protanomaly

70.8441, 0.3065, 0.3921



Deuteranomaly

70.0371, 0.3049, 0.3669



Tritanomaly

74.1050, 0.2496, 0.3434

Monochromacy



Original Color

74.7601, 0.2564, 0.4088



Achromatopsia

52.0996, 0.3127, 0.3290



Achromatomaly

57.6460, 0.2819, 0.3579

CSS Examples

Text

The CSS property to change the color of the text to Yxy 74.7601, 0.2564, 0.4088 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(72, 252, 191)` looks like.

```
.text, #text, p{  
    color:rgb(72, 252, 191)  
}
```

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(72, 252, 191) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(72, 252, 191) }
```

Border

The CSS property to change the border of an element to Yxy 74.7601, 0.2564, 0.4088 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(72, 252, 191) }
```

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

```
.border{ border-color:rgb(72, 252, 191) }
```

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

Here you see how a box with a 4 pixel `rgb(72, 252, 191)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(72, 252, 191); -webkit-box-  
shadow:4px 4px 4px 4px rgb(72, 252, 191);  
box-shadow:4px 4px 4px 4px rgb(72, 252,  
191) }
```


Background

The CSS property to change the background color of an element to Yxy 74.7601, 0.2564, 0.4088 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(72, 252, 191) }
```

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

```
.background{ background-color: rgb(72, 252,  
191) }
```

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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