

Converting Colors

$Y_{xy}(74.3494, 0.2612, 0.3709)$

Have a look what the booklet for
Yxy(74.3494, 0.2612, 0.3709)
contains.

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Color

Yxy(74.6581, 0.2614, 0.3711)

Conversions

Conversions Part 1

Format	Color
Hex	78F6D4
RGB	120, 246, 212
RGB Percent	47%, 96%, 83%
CMY	0.5293, 0.0353, 0.1686
CMYK	0.51, 0.00, 0.14, 0.04
HSL	164°, 87%, 72%
HSV	164°, 51%, 96%
XYZ	52.5886, 74.6581, 73.9339
YIQ	204.4500, -64.1820, -37.2860

Conversions

Conversions Part 2

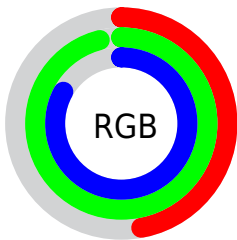
Format	Color
RYB	120, 193, 246
Decimal	7927508
CIELab	89.23, -43.11, 5.65
CIELCh	89, 43.481, 172.538
Yxy	74.6581, 0.2614, 0.3711
Android (android.graphics.Color)	4286117588 (0xFF78F6D4)
YUV	204.4500, 3.7222, -74.0626
Hunter-Lab	86.4049, -42.5682, 9.7509

Details

The Yxy color **74.6581, 0.2614, 0.3711** is a light color, and the websafe version is hex **99FFCC**. A complement of this color would be **35.3656, 0.4190, 0.2931**, and the grayscale version is **60.6954, 0.3127, 0.3290**.

A 20% lighter version of the original color is **88.4433, 0.2701, 0.3289**, and **39.6703, 0.2497, 0.3823** is the 20% darker color. If you saturate the color by 10%, you get **72.7937, 0.2553, 0.3810**, and if you desaturate by 10%, it is **76.9939, 0.2692, 0.3616**.

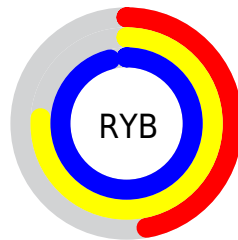
Distribution



Red (47%)

Green (96%)

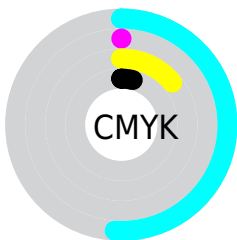
Blue (83%)



Red (47%)

Yellow (76%)

Blue (96%)

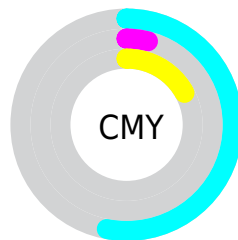


Cyan (51%)

Magenta (0%)

Yellow (14%)

Black (4%)



Cyan (53%)


Magenta (4%)


Yellow (17%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 74.6581, 0.2614, 0.3711 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 74.6581, 0.2614, 0.3711 by changing the saturation by 10% instead.


 74.6581, 0.2614,
0.3711

 74.6581, 0.2614,
0.3711

476.7416, 0.2852,
0.3513

 55.3328, 0.2560,
0.3757


 125.8283, 0.2696,
0.3642

 39.6683, 0.2493,
0.3814

 158.4420, 0.2728,
0.3615

 27.2800, 0.2409,
0.3888


 196.2539, 0.2756,
0.3592

 17.7836, 0.2298,
0.3984

239.6486, 0.2780,
0.3572

 10.7947, 0.2149,
0.4118

289.0102, 0.2801,
0.3554

 5.9290, 0.1937,
0.4314

344.7234, 0.2820,

 2.8019, 0.1615,

0.3539

0.4626

407.1724, 0.2837,
0.3525

■ 1.0292, 0.0000,
0.5890

■ 0.0000, 0.0000,
0.0000

■ 74.6581, 0.2614,
0.3711

■ 74.6581, 0.2614,
0.3711

■ 72.7937, 0.2553,
0.3810

■ 76.9939, 0.2692,
0.3616

■ 71.3564, 0.2512,
0.3912


■ 79.8240, 0.2783,
0.3527


■ 70.3084, 0.2491,
0.4015


■ 83.1802, 0.2886,
0.3443

■ 69.6008, 0.2489,
0.4117

■ 87.0893, 0.2997,
0.3367

 69.1923, 0.2502,
0.4206

 91.5760, 0.3113,
0.3298

 94.1898, 0.3150,
0.3234

 94.3920, 0.3131,
0.3204

Harmonies

Analogous

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



74.6581, 0.3087, 0.4118



74.6581, 0.2614, 0.3711



74.6581, 0.2294, 0.3188

Triad

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



74.6581, 0.2614, 0.3711



74.6581, 0.2620, 0.2474



74.6581, 0.4165, 0.3697

Complementary

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



74.6581, 0.2614, 0.3711



35.3656, 0.4190, 0.2931

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.



74.6581, 0.4031, 0.3288



74.6581, 0.2614, 0.3711



74.6581, 0.3099, 0.2616

Square

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



74.6581, 0.2614, 0.3711



74.6581, 0.2300, 0.2513



74.6581, 0.3626, 0.2905



74.6581, 0.3995, 0.4050

Rectangle

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



74.6581, 0.2614, 0.3711



74.6581, 0.2198, 0.2881



74.6581, 0.3626, 0.2905



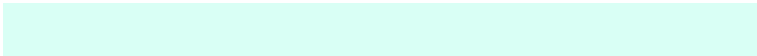
74.6581, 0.4155, 0.3562

Sweetspot

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



74.6611, 0.2614, 0.3711



92.8065, 0.2954, 0.3395



74.3086, 0.3251, 0.4832



19.6724, 0.2930, 0.3412



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.



74.6611, 0.2614, 0.3711



79.0039, 0.2554, 0.3809



61.1586, 0.2396, 0.2952



18.6770, 0.3017, 0.3355



36.9566, 0.2497, 0.4189



3.2652, 0.2462, 0.4062

Inverse Universe

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



35.3656, 0.4190, 0.2931



32.2047, 0.4528, 0.2883



41.9169, 0.4437, 0.3585



16.5560, 0.3251, 0.3226



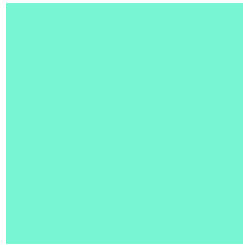
10.6901, 0.5867, 0.3006



0.9560, 0.5515, 0.2812

Previews

White Background



This preview shows how the Yxy color 74.6581, 0.2614, 0.3711 looks on a white background.

Color Contrast Check

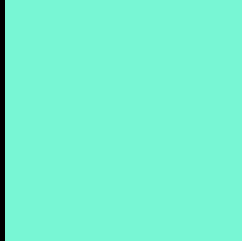
Large Text (above 18pt) WCAG AA × Fail

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 74.6581, 0.2614, 0.3711 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

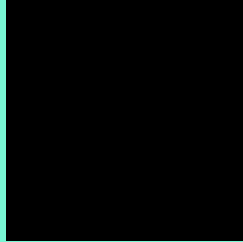
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 74.6581, 0.2614, 0.3711

Background



This preview shows how black text looks on a background with the Yxy color 74.6581, 0.2614, 0.3711.

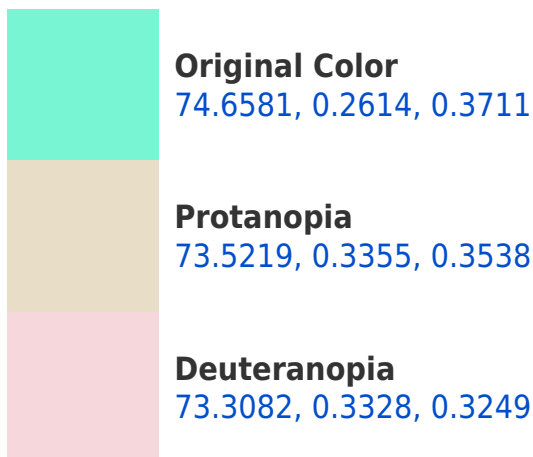


This preview shows how white text looks on a background with the Yxy color 74.6581, 0.2614, 0.3711.

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





Tritanopia

74.5721, 0.2517, 0.3094

Trichromacy



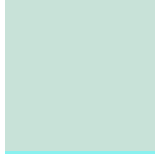
Original Color

74.6581, 0.2614, 0.3711



Protanomaly

72.5878, 0.3026, 0.3603



Deuteranomaly

71.6299, 0.3013, 0.3403



Tritanomaly

74.4610, 0.2551, 0.3312

Monochromacy



Original Color

74.6581, 0.2614, 0.3711



Achromatopsia

60.3827, 0.3127, 0.3290



Achromatomaly

64.0523, 0.2887, 0.3436

CSS Examples

Text

The CSS property to change the color of the text to Yxy 74.6581, 0.2614, 0.3711 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(120, 246, 212)` looks like.

```
.text, #text, p{  
    color:rgb(120, 246, 212)  
}
```

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(120, 246, 212) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(120, 246, 212) }
```

Border

The CSS property to change the border of an element to Yxy 74.6581, 0.2614, 0.3711 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(120, 246, 212) }
```

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

```
.border{ border-color:rgb(120, 246, 212) }
```

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

Here you see how a box with a 4 pixel rgb(120, 246, 212) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(120, 246, 212); -webkit-box-  
shadow:4px 4px 4px 4px rgb(120, 246, 212);  
box-shadow:4px 4px 4px 4px rgb(120, 246,  
212) }
```


Background

The CSS property to change the background color of an element to Yxy 74.6581, 0.2614, 0.3711 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(120, 246, 212) }
```

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

```
.background{ background-color: rgb(120,  
246, 212) }
```

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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