

Converting Colors

$Y_{xy}(74.4096, 0.2701, 0.3960)$

Have a look what the booklet for
Yxy(74.4096, 0.2701, 0.3960)
contains.

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Color

Yxy(74.4096, 0.2701, 0.3960)

Conversions

Conversions Part 1

Format	Color
Hex	78F7C2
RGB	120, 247, 194
RGB Percent	47%, 97%, 76%
CMY	0.5292, 0.0314, 0.2391
CMYK	0.51, 0.00, 0.21, 0.03
HSL	155°, 89%, 72%
HSV	155°, 51%, 97%
XYZ	50.7526, 74.4096, 62.7408
YIQ	202.9850, -58.6790, -43.4070

Conversions

Conversions Part 2

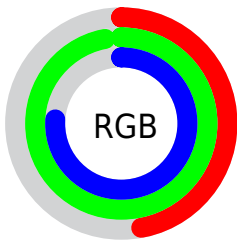
Format	Color
R_{YB}	120, 200, 247
Decimal	7927746
CIE _{Lab}	89.12, -47.44, 14.81
CIE _{LCh}	89, 49.699, 162.668
Yxy	74.4096, 0.2701, 0.3960
Android (android.graphics.Color)	4286117826 (0xFF78F7C2)
YUV	202.9850, -4.4296, -72.7778
Hunter-Lab	86.2610, -45.9343, 17.2589

Details

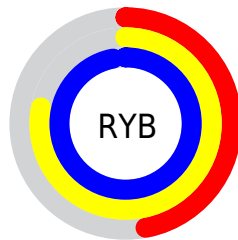
The Yxy color **74.4096, 0.2701, 0.3960** is a light color, and the websafe version is hex **66FFCC**. A complement of this color would be **36.2403, 0.3968, 0.2732**, and the grayscale version is **59.7794, 0.3127, 0.3290**.

A 20% lighter version of the original color is **88.0687, 0.2715, 0.3332**, and **39.5611, 0.2595, 0.4143** is the 20% darker color. If you saturate the color by 10%, you get **72.4201, 0.2653, 0.4120**, and if you desaturate by 10%, it is **76.8927, 0.2765, 0.3807**.

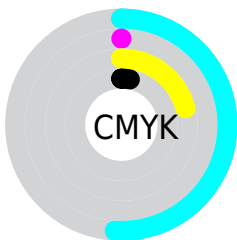
Distribution



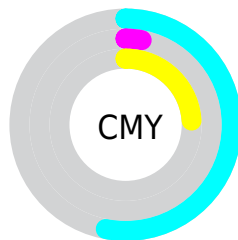
- Red (47%)
- Green (97%)
- Blue (76%)



- Red (47%)
- Yellow (78%)
- Blue (97%)



- Cyan (51%)
- Magenta (0%)
- Yellow (21%)
- Black (3%)





- Cyan (53%)
- Magenta (3%)
- Yellow (24%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 74.4096, 0.2701, 0.3960 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 74.4096, 0.2701, 0.3960 by changing the saturation by 10% instead.


 74.4096, 0.2701,
0.3960


 74.4096, 0.2701,
0.3960


475.8858, 0.2904,
0.3637

 55.1293, 0.2653,
0.4037


 125.4763, 0.2772,
0.3845

 39.5053, 0.2594,
0.4134

 158.0315, 0.2800,
0.3801

 27.1530, 0.2517,
0.4260


 195.7805, 0.2824,
0.3764

 17.6882, 0.2416,
0.4429

239.1076, 0.2844,
0.3731

 10.7264, 0.2274,
0.4668

288.3973, 0.2862,
0.3703

 5.8831, 0.2065,
0.5029


344.0340, 0.2877,


 2.7742, 0.1731,


0.3678


0.5627


406.4021, 0.2891,
0.3656

 1.0150, 0.0000,
0.9410

 0.0000, 0.0000,
0.0000


 74.4096, 0.2701,
0.3960


 74.4096, 0.2701,
0.3960


 72.4201, 0.2653,
0.4120

 76.8927, 0.2765,
0.3807

 70.8787, 0.2624,
0.4284


 79.8929, 0.2841,
0.3664


 69.7468, 0.2616,
0.4449

 83.4430, 0.2926,
0.3532

 68.9742, 0.2628,
0.4611

 87.5704, 0.3018,
0.3412

 68.5299, 0.2652,
0.4746

 92.3006, 0.3114,
0.3304

 94.9987, 0.3131,
0.3214

Harmonies

Analogous

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



74.4096, 0.3266, 0.4333



74.4096, 0.2701, 0.3960



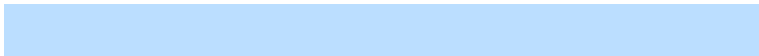
74.4096, 0.2276, 0.3362

Triad

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



74.4096, 0.2701, 0.3960



74.4096, 0.2408, 0.2359



74.4096, 0.4304, 0.3588

Complementary

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



74.4096, 0.2701, 0.3960



36.2403, 0.3968, 0.2732

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.



74.4096, 0.4038, 0.3131



74.4096, 0.2701, 0.3960



74.4096, 0.2897, 0.2458

Square

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



74.4096, 0.2701, 0.3960



74.4096, 0.2125, 0.2471



74.4096, 0.3502, 0.2733



74.4096, 0.4213, 0.4025

Rectangle

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



74.4096, 0.2701, 0.3960



74.4096, 0.2116, 0.2978



74.4096, 0.3502, 0.2733



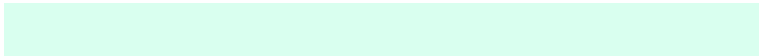
74.4096, 0.4254, 0.3434

Sweetspot

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



74.4126, 0.2701, 0.3960



92.4677, 0.2984, 0.3454



76.9981, 0.3373, 0.4779



19.5905, 0.2965, 0.3480



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.



74.4126, 0.2701, 0.3960



77.7311, 0.2651, 0.4132



72.1729, 0.2441, 0.3187



18.6340, 0.3036, 0.3391



36.2738, 0.2645, 0.4720



3.2086, 0.2590, 0.4522

Inverse Universe

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



36.2403, 0.3968, 0.2732



32.4308, 0.4249, 0.2644



36.7071, 0.4565, 0.3383



16.5972, 0.3228, 0.3192



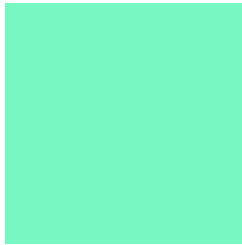
11.0034, 0.5308, 0.2698



0.9871, 0.4984, 0.2520

Previews

White Background



This preview shows how the Yxy color 74.4096, 0.2701, 0.3960 looks on a white background.

Color Contrast Check

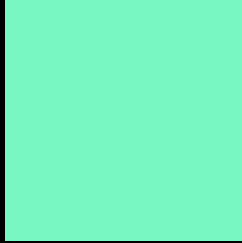
Large Text (above 18pt) WCAG AA × Fail

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 74.4096, 0.2701, 0.3960 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 74.4096, 0.2701, 0.3960

Background



This preview shows how black text looks on a background with the Yxy color 74.4096, 0.2701, 0.3960.

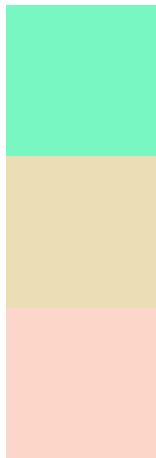


This preview shows how white text looks on a background with the Yxy color 74.4096, 0.2701, 0.3960.

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

74.4096, 0.2701, 0.3960

Protanopia

73.2821, 0.3496, 0.3722

Deuteranopia

73.0056, 0.3506, 0.3425



Tritanopia

73.9914, 0.2515, 0.3082

Trichromacy



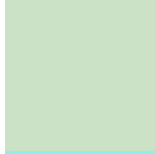
Original Color

74.4096, 0.2701, 0.3960



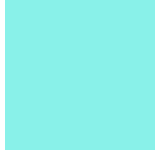
Protanomaly

72.0345, 0.3150, 0.3818



Deuteranomaly

71.3073, 0.3154, 0.3610



Tritanomaly

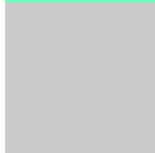
74.1122, 0.2579, 0.3384

Monochromacy



Original Color

74.4096, 0.2701, 0.3960



Achromatopsia

59.7202, 0.3127, 0.3290



Achromatomaly

63.7174, 0.2930, 0.3523

CSS Examples

Text

The CSS property to change the color of the text to Yxy 74.4096, 0.2701, 0.3960 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, 247, 194)` looks like.

```
.text, #text, p{  
    color:rgb(120, 247, 194)  
}
```

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, 247, 194) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(120, 247, 194) }
```

Border

The CSS property to change the border of an element to Yxy 74.4096, 0.2701, 0.3960 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, 247, 194) }
```

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

```
.border{ border-color:rgb(120, 247, 194) }
```

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

Here you see how a box with a 4 pixel `rgb(120, 247, 194)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(120, 247, 194); -webkit-box-shadow:4px 4px 4px 4px rgb(120, 247, 194); box-shadow:4px 4px 4px 4px rgb(120, 247, 194) }
```


Background

The CSS property to change the background color of an element to Yxy 74.4096, 0.2701, 0.3960 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(120, 247, 194) }
```

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

```
.background{ background-color: rgb(120,  
247, 194) }
```

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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