

Converting Colors

$Yxy(74.5879, 0.2739, 0.4083)$

Have a look what the booklet for
Yxy(74.5879, 0.2739, 0.4083)
contains.

Yxy(74.6019, 0.2736, 0.4080)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(74.6019, 0.2736, 0.4080)

Conversions

Conversions Part 1

Format	Color
Hex	77F8BA
RGB	119, 248, 186
RGB Percent	47%, 97%, 73%
CMY	0.5338, 0.0274, 0.2706
CMYK	0.52, 0.00, 0.25, 0.03
HSL	151°, 90%, 72%
HSV	151°, 52%, 97%
XYZ	50.0272, 74.6019, 58.2187
YIQ	202.3610, -56.9820, -46.6300

Conversions

Conversions Part 2

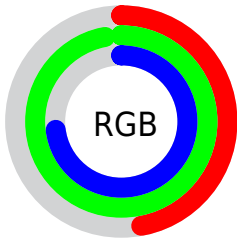
Format	Color
RYB	119, 204, 248
Decimal	7862458
CIELab	89.21, -49.77, 19.06
CIElCh	89, 53.299, 159.046
Yxy	74.6019, 0.2736, 0.4080
Android (android.graphics.Color)	4286052538 (0xFF77F8BA)
YUV	202.3610, -8.0660, -73.1076
Hunter-Lab	86.3724, -47.7639, 20.4966

Details

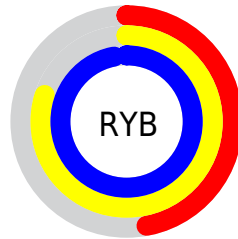
The Yxy color **74.6019, 0.2736, 0.4080** is a light color, and the websafe version is hex **66FFCC**. A complement of this color would be **36.4602, 0.3887, 0.2643**, and the grayscale version is **59.3632, 0.3127, 0.3290**.

A 20% lighter version of the original color is **87.3958, 0.2754, 0.3431**, and **39.7673, 0.2634, 0.4286** is the 20% darker color. If you saturate the color by 10%, you get **72.5893, 0.2695, 0.4267**, and if you desaturate by 10%, it is **77.1204, 0.2793, 0.3901**.

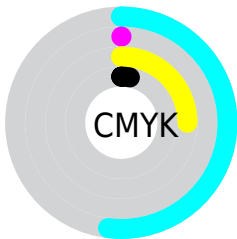
Distribution



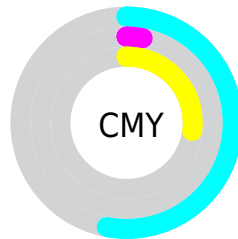
- Red (47%)
- Green (97%)
- Blue (73%)



- Red (47%)
- Yellow (80%)
- Blue (97%)



- Cyan (52%)
- Magenta (0%)
- Yellow (25%)
- Black (3%)





- Cyan (53%)
- Magenta (3%)
- Yellow (27%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 74.6019, 0.2736, 0.4080 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 74.6019, 0.2736, 0.4080 by changing the saturation by 10% instead.

 74.6019, 0.2736,
0.4080


 74.6019, 0.2736,
0.4080


476.5481, 0.2926,
0.3696

 55.2868, 0.2691,
0.4172


 125.7487, 0.2803,
0.3943

 39.6314, 0.2633,
0.4289

 158.3492, 0.2829,
0.3891

 27.2513, 0.2559,
0.4440


 196.1469, 0.2851,
0.3846

 17.7620, 0.2460,
0.4644

239.5263, 0.2870,
0.3808

 10.7793, 0.2319,
0.4933

288.8717, 0.2887,
0.3775

 5.9186, 0.2107,
0.5371


344.5675, 0.2901,


 2.7957, 0.1758,


0.3745


0.6099


406.9982, 0.2914,
0.3719

 1.0260, 0.0000,
1.0000


 0.0000, 0.0000,
0.0000


 74.6019, 0.2736,
0.4080


 74.6019, 0.2736,
0.4080


 72.5893, 0.2695,
0.4267

 77.1204, 0.2793,
0.3901


 71.0361, 0.2672,
0.4458

 80.1691, 0.2862,
0.3734

 69.9023, 0.2670,
0.4648


 83.7818, 0.2939,
0.3580

 69.1360, 0.2688,
0.4831

 87.9864, 0.3023,
0.3440

 68.7276, 0.2714,
0.4970

 92.8092, 0.3109,
0.3314

 95.6251, 0.3130,
0.3223

Harmonies

Analogous

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



74.6019, 0.3346, 0.4434



74.6019, 0.2736, 0.4080



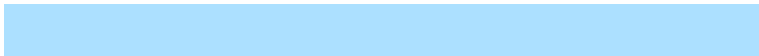
74.6019, 0.2261, 0.3444

Triad

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



74.6019, 0.2736, 0.4080



74.6019, 0.2312, 0.2303



74.6019, 0.4373, 0.3541

Complementary

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



74.6019, 0.2736, 0.4080



36.4602, 0.3887, 0.2643

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.



74.6019, 0.4046, 0.3062



74.6019, 0.2736, 0.4080



74.6019, 0.2807, 0.2384

Square

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



74.6019, 0.2736, 0.4080



74.6019, 0.2043, 0.2445



74.6019, 0.3447, 0.2654



74.6019, 0.4317, 0.4014

Rectangle

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



74.6019, 0.2736, 0.4080



74.6019, 0.2074, 0.3020



74.6019, 0.3447, 0.2654



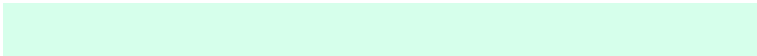
74.6019, 0.4305, 0.3378

Sweetspot

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



74.6049, 0.2736, 0.4080



91.8679, 0.2989, 0.3494



78.3349, 0.3417, 0.4778



19.4659, 0.2972, 0.3522



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.



74.6049, 0.2736, 0.4080



77.3135, 0.2695, 0.4267



76.5220, 0.2450, 0.3263



19.4599, 0.3045, 0.3406



37.1495, 0.2706, 0.4943



3.4621, 0.2647, 0.4731

Inverse Universe

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



36.4602, 0.3887, 0.2643



32.8014, 0.4117, 0.2546



34.9747, 0.4636, 0.3317



17.3641, 0.3218, 0.3177



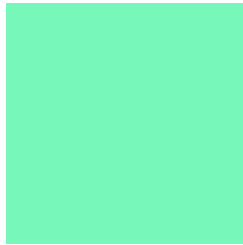
11.5293, 0.5046, 0.2554



1.0891, 0.4769, 0.2401

Previews

White Background



This preview shows how the Yxy color 74.6019, 0.2736, 0.4080 looks on a white background.

Color Contrast Check

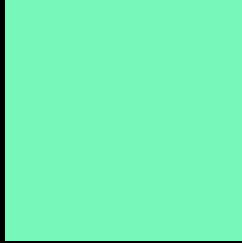
Large Text (above 18pt) WCAG AA × Fail

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 74.6019, 0.2736, 0.4080 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 74.6019, 0.2736, 0.4080

Background



This preview shows how black text looks on a background with the Yxy color 74.6019, 0.2736, 0.4080.

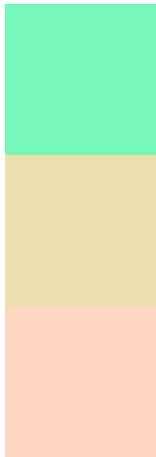


This preview shows how white text looks on a background with the Yxy color 74.6019, 0.2736, 0.4080.

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

74.6019, 0.2736, 0.4080

Protanopia

73.3031, 0.3567, 0.3807

Deuteranopia

73.2034, 0.3589, 0.3507



Tritanopia

74.1779, 0.2524, 0.3083

Trichromacy



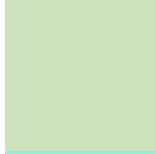
Original Color

74.6019, 0.2736, 0.4080



Protanomaly

71.8355, 0.3206, 0.3913



Deuteranomaly

71.2322, 0.3220, 0.3703



Tritanomaly

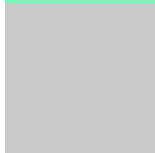
74.0270, 0.2598, 0.3420

Monochromacy



Original Color

74.6019, 0.2736, 0.4080



Achromatopsia

59.0619, 0.3127, 0.3290



Achromatomaly

63.4192, 0.2948, 0.3574

CSS Examples

Text

The CSS property to change the color of the text to Yxy 74.6019, 0.2736, 0.4080 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(119, 248, 186)` looks like.

```
.text, #text, p{  
    color:rgb(119, 248, 186)  
}
```

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(119, 248, 186) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(119, 248, 186) }
```

Border

The CSS property to change the border of an element to Yxy 74.6019, 0.2736, 0.4080 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(119, 248, 186) }
```

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

```
.border{ border-color:rgb(119, 248, 186) }
```

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

Here you see how a box with a 4 pixel `rgb(119, 248, 186)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(119, 248, 186); -webkit-box-  
shadow:4px 4px 4px 4px rgb(119, 248, 186);  
box-shadow:4px 4px 4px 4px rgb(119, 248,  
186) }
```


Background

The CSS property to change the background color of an element to Yxy 74.6019, 0.2736, 0.4080 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(119, 248, 186) }
```

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

```
.background{ background-color: rgb(119,  
248, 186) }
```

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