

Converting Colors

$Yxy(78.7937, 0.2737, 0.4160)$

Have a look what the booklet for
Yxy(78.7937, 0.2737, 0.4160)
contains.

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Color

Yxy(78.7782, 0.2734, 0.4156)

Conversions

Conversions Part 1

Format	Color
Hex	74FFBA
RGB	116, 255, 186
RGB Percent	45%, 100%, 73%
CMY	0.5453, 0.0000, 0.2704
CMYK	0.55, 0.00, 0.27, 0.00
HSL	150°, 100%, 73%
HSV	150°, 55%, 100%
XYZ	51.8238, 78.7782, 58.9510
YIQ	205.5730, -60.6950, -50.9270

Conversions

Conversions Part 2

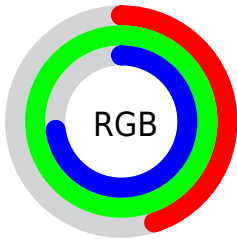
Format	Color
RYB	116, 208, 255
Decimal	7667642
CIELab	91.13, -53.31, 21.71
CIElCh	91, 57.557, 157.844
Yxy	78.7782, 0.2734, 0.4156
Android (android.graphics.Color)	4285857722 (0xFF74FFBA)
YUV	205.5730, -9.6495, -78.5555
Hunter-Lab	88.7571, -51.1017, 22.7505

Details

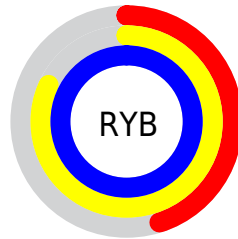
The Yxy color **78.7782, 0.2734, 0.4156** is a light color, and the websafe version is hex **66FFCC**. A complement of this color would be **37.2387, 0.3917, 0.2594**, and the grayscale version is **61.5191, 0.3127, 0.3290**.

A 20% lighter version of the original color is **87.1609, 0.2744, 0.3431**, and **42.2543, 0.2629, 0.4371** is the 20% darker color. If you saturate the color by 10%, you get **76.7489, 0.2699, 0.4351**, and if you desaturate by 10%, it is **81.3315, 0.2786, 0.3968**.

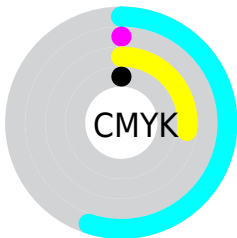
Distribution



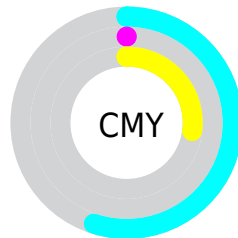
- Red (45%)
- Green (100%)
- Blue (73%)



- Red (45%)
- Yellow (82%)
- Blue (100%)



- Cyan (55%)
- Magenta (0%)
- Yellow (27%)
- Black (0%)



- Cyan (55%)
- Magenta (0%)
- Yellow (27%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 78.7782, 0.2734, 0.4156 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 78.7782, 0.2734, 0.4156 by changing the saturation by 10% instead.

 78.7782, 0.2734,
0.4156


 78.7782, 0.2734,
0.4156

490.8057, 0.2925,
0.3737


 58.7135, 0.2688,
0.4256


 131.6466, 0.2802,
0.4007

 42.3825, 0.2631,
0.4382


 165.2190, 0.2828,
0.3950

 29.4009, 0.2557,
0.4544


 204.0628, 0.2850,
0.3902

 19.3843, 0.2457,
0.4762

248.5623, 0.2869,
0.3860

 11.9483, 0.2317,
0.5068

299.1019, 0.2885,
0.3823

 6.7085, 0.2107,
0.5525


356.0661, 0.2900,


 3.2805, 0.1766,

0.3791

0.6264


419.8392, 0.2913,
0.3763


 1.2799, 0.0000,
1.0000


 0.1255, 0.0000,
1.0000


 78.7782, 0.2734,
0.4156


 78.7782, 0.2734,
0.4156


 76.7489, 0.2699,
0.4351


 81.3315, 0.2786,
0.3968


 75.2066, 0.2682,
0.4549

 84.4502, 0.2850,
0.3791


 74.1016, 0.2686,
0.4743

 88.1664, 0.2924,
0.3628

 73.3752, 0.2711,
0.4930

 92.5107, 0.3005,
0.3479

 73.0927, 0.2730,
0.5027

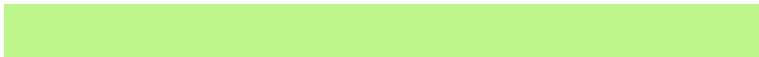
 97.5118, 0.3089,
0.3346

100.0000, 0.3127,
0.3290

Harmonies

Analogous

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



78.7782, 0.3380, 0.4514



78.7782, 0.2734, 0.4156



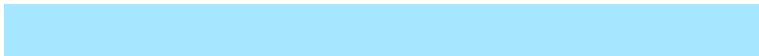
78.7782, 0.2227, 0.3480

Triad

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



78.7782, 0.2734, 0.4156



78.7782, 0.2252, 0.2252



78.7782, 0.4442, 0.3526

Complementary

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



78.7782, 0.2734, 0.4156



37.2387, 0.3917, 0.2594

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.



78.7782, 0.4080, 0.3027



78.7782, 0.2734, 0.4156



78.7782, 0.2762, 0.2330

Square

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



78.7782, 0.2734, 0.4156



78.7782, 0.1981, 0.2408



78.7782, 0.3436, 0.2605



78.7782, 0.4394, 0.4028

Rectangle

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



78.7782, 0.2734, 0.4156



78.7782, 0.2025, 0.3024



78.7782, 0.3436, 0.2605



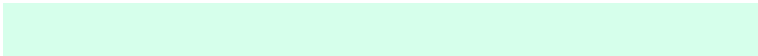
78.7782, 0.4365, 0.3356

Sweetspot

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



78.7767, 0.2734, 0.4156



91.8309, 0.2993, 0.3500



83.1534, 0.3439, 0.4845



19.4571, 0.2976, 0.3530



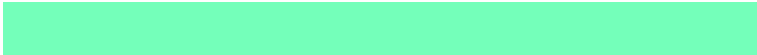
0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



78.7767, 0.2734, 0.4156



76.6656, 0.2697, 0.4360



82.4497, 0.2433, 0.3288



20.3210, 0.3047, 0.3410



38.2227, 0.2722, 0.4998



3.7437, 0.2664, 0.4791

Inverse Universe

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



37.2387, 0.3917, 0.2594



31.4039, 0.4155, 0.2498



34.9996, 0.4766, 0.3295



18.1373, 0.3216, 0.3173



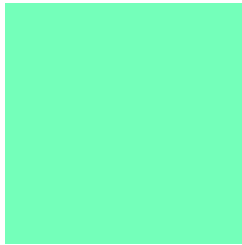
11.9322, 0.4982, 0.2518



1.1838, 0.4725, 0.2377

Previews

White Background



This preview shows how the Yxy color 78.7782, 0.2734, 0.4156 looks on a white background.

Color Contrast Check

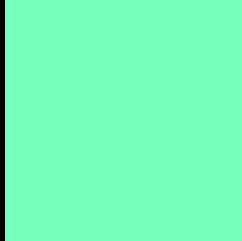
Large Text (above 18pt) WCAG AA × Fail

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 78.7782, 0.2734, 0.4156 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

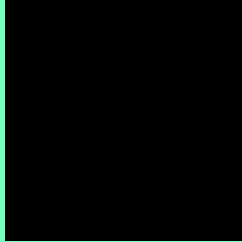
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 78.7782, 0.2734, 0.4156

Background



This preview shows how black text looks on a background with the Yxy color 78.7782, 0.2734, 0.4156.



This preview shows how white text looks on a background with the Yxy color 78.7782, 0.2734, 0.4156.

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

78.7782, 0.2734, 0.4156

Protanopia

77.7370, 0.3611, 0.3867

Deuteranopia

77.2372, 0.3508, 0.3484



Tritanopia

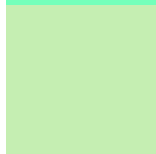
77.9752, 0.2626, 0.3122

Trichromacy



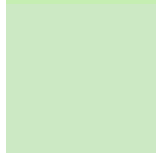
Original Color

78.7782, 0.2734, 0.4156



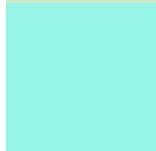
Protanomaly

76.2337, 0.3219, 0.3982



Deuteranomaly

75.1007, 0.3161, 0.3710



Tritanomaly

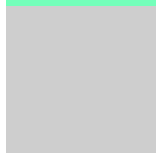
77.5020, 0.2660, 0.3465

Monochromacy



Original Color

78.7782, 0.2734, 0.4156



Achromatopsia

61.7207, 0.3127, 0.3290



Achromatomaly

66.3191, 0.2938, 0.3595

CSS Examples

Text

The CSS property to change the color of the text to Yxy 78.7782, 0.2734, 0.4156 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(116, 255, 186)` looks like.

```
.text, #text, p{  
    color:rgb(116, 255, 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(116, 255, 186) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(116, 255, 186) }
```

Border

The CSS property to change the border of an element to Yxy 78.7782, 0.2734, 0.4156 is called "border". The border property can be set on classes, ids or directly on the HTML element.

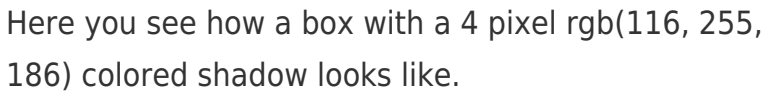
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(116, 255, 186) }
```

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

```
.border{ border-color:rgb(116, 255, 186) }
```

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



Here you see how a box with a 4 pixel `rgb(116, 255, 186)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(116, 255, 186); -webkit-box-shadow:4px 4px 4px 4px rgb(116, 255, 186); box-shadow:4px 4px 4px 4px rgb(116, 255, 186) }
```


Background

The CSS property to change the background color of an element to Yxy 78.7782, 0.2734, 0.4156 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(116, 255, 186) }
```

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

```
.background{ background-color: rgb(116,  
255, 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](#).

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