

# Converting Colors

$Yxy(77.3936, 0.2736, 0.4334)$

Have a look what the booklet for  
Yxy(77.3936, 0.2736, 0.4334)  
contains.

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# Color

**Yxy(77.4008, 0.2735, 0.4332)**

# Conversions

## Conversions Part 1

Format	Color
Hex	66FFAE
RGB	102, 255, 174
RGB Percent	40%, 100%, 68%
CMY	0.6005, 0.0000, 0.3177
CMYK	0.60, 0.00, 0.32, 0.00
HSL	148°, 100%, 70%
HSV	148°, 60%, 100%
XYZ	48.8668, 77.4008, 52.4046
YIQ	200.0190, -65.1870, -57.6270

# Conversions

## Conversions Part 2

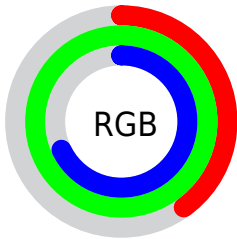
<b>Format</b>	<b>Color</b>
<a href="#">RYB</a>	<a href="#">102, 206, 255</a>
Decimal	<a href="#">6750126</a>
CIELab	<a href="#">90.51, -58.52, 26.90</a>
CIELCh	<a href="#">91, 64.406, 155.317</a>
Yxy	<a href="#">77.4008, 0.2735, 0.4332</a>
Android (android.graphics.Color)	<a href="#">4284940206</a> ( <a href="#">0xFF66FFAE</a> )
YUV	<a href="#">200.0190, -12.8274, -85.9627</a>
Hunter-Lab	<a href="#">87.9777, -54.8140, 26.2679</a>

# Details

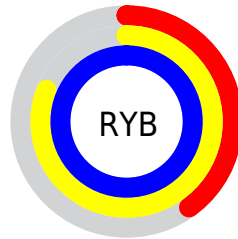
The Yxy color **77.4008, 0.2735, 0.4332** is a light color, and the websafe version is hex **66FF99**. A complement of this color would be **34.1486, 0.3976, 0.2491**, and the grayscale version is **57.8536, 0.3127, 0.3290**.

A 20% lighter version of the original color is **85.2325, 0.2747, 0.3571**, and **41.3985, 0.2626, 0.4609** is the 20% darker color. If you saturate the color by 10%, you get **75.6271, 0.2712, 0.4542**, and if you desaturate by 10%, it is **79.6683, 0.2775, 0.4126**.

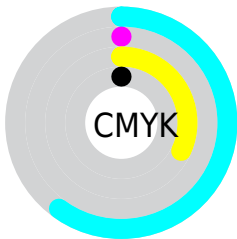
# Distribution



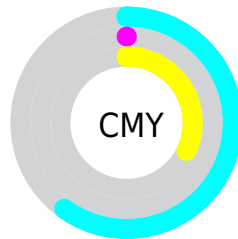
- Red (40%)
- Green (100%)
- Blue (68%)



- Red (40%)
- Yellow (81%)
- Blue (100%)



- Cyan (60%)
- Magenta (0%)
- Yellow (32%)
- Black (0%)




- Cyan (60%)
- Magenta (0%)
- Yellow (32%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 77.4008, 0.2735, 0.4332 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 77.4008, 0.2735, 0.4332 by changing the saturation by 10% instead.





 77.4008, 0.2735,  
0.4332

 77.4008, 0.2735,  
0.4332


486.1295, 0.2931,  
0.3822

 57.5819, 0.2687,  
0.4455


 129.7051, 0.2806,  
0.4150

 41.4726, 0.2626,  
0.4610


 162.9593, 0.2832,  
0.4080

 28.6886, 0.2545,  
0.4812


 201.4606, 0.2855,  
0.4021

 18.8453, 0.2435,  
0.5083

245.5936, 0.2874,  
0.3971

 11.5586, 0.2278,  
0.5465

295.7426, 0.2891,  
0.3926

 6.4439, 0.2036,  
0.6035


352.2920, 0.2906,


 3.1168, 0.1643,

0.3887


0.7024


415.6261, 0.2919,  
0.3853


 1.1930, 0.0000,  
1.0000


 0.0560, 0.0000,  
1.0000


 77.4008, 0.2735,  
0.4332


 77.4008, 0.2735,  
0.4332


 75.6271, 0.2712,  
0.4542

 79.6683, 0.2775,  
0.4126


 74.3273, 0.2709,  
0.4751


 82.4944, 0.2830,  
0.3929

 73.4394, 0.2727,  
0.4952

 85.9063, 0.2896,  
0.3746

 72.8788, 0.2761,  
0.5138

 89.9362, 0.2969,  
0.3578

 94.6144, 0.3047,  
0.3426

99.9688, 0.3127,  
0.3291

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.



77.4008, 0.3457, 0.4687



77.4008, 0.2735, 0.4332



77.4008, 0.2159, 0.3567

# Triad

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



77.4008, 0.2735, 0.4332



77.4008, 0.2119, 0.2145



77.4008, 0.4588, 0.3487

# Complementary

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



77.4008, 0.2735, 0.4332



34.1486, 0.3976, 0.2491

# 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.



77.4008, 0.4147, 0.2947



77.4008, 0.2735, 0.4332



77.4008, 0.2658, 0.2214

# Square

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



77.4008, 0.2735, 0.4332



77.4008, 0.1849, 0.2331



77.4008, 0.3403, 0.2498



77.4008, 0.4561, 0.4046



# Rectangle

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



77.4008, 0.2735, 0.4332



77.4008, 0.1924, 0.3041



77.4008, 0.3403, 0.2498



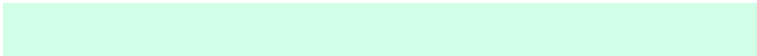
77.4008, 0.4490, 0.3302

# Sweetspot

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



77.3924, 0.2735, 0.4332



90.8436, 0.2985, 0.3546



82.6095, 0.3486, 0.4981



19.1710, 0.2962, 0.3592



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.



77.3924, 0.2735, 0.4332



75.3393, 0.2710, 0.4583



81.2322, 0.2409, 0.3348



20.3106, 0.3051, 0.3418



38.1104, 0.2752, 0.5108



3.7325, 0.2692, 0.4893



# Inverse Universe

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



34.1486, 0.3976, 0.2491



28.6640, 0.4239, 0.2399



31.7961, 0.4967, 0.3248



18.1477, 0.3211, 0.3165



12.0516, 0.4841, 0.2441

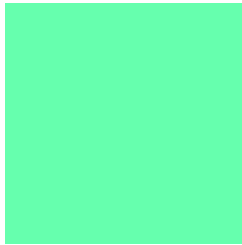


1.1955, 0.4604, 0.2310



# Previews

## White Background



This preview shows how the Yxy color 77.4008, 0.2735, 0.4332 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

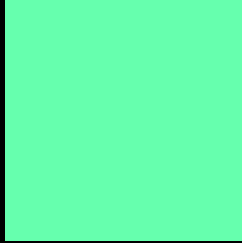
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 77.4008, 0.2735, 0.4332 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 77.4008, 0.2735, 0.4332**

## **Background**



This preview shows how black text looks on a background with the Yxy color 77.4008, 0.2735, 0.4332.

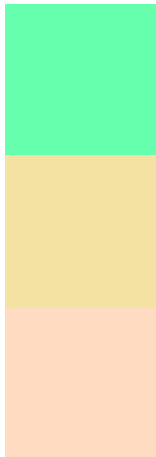


This preview shows how white text looks on a background with the Yxy color 77.4008, 0.2735, 0.4332.

# 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

77.4008, 0.2735, 0.4332

### Protanopia

76.0206, 0.3690, 0.3974

### Deuteranopia

75.7733, 0.3577, 0.3557



## Tritanopia

77.0138, 0.2581, 0.3120

# Trichromacy



## Original Color

77.4008, 0.2735, 0.4332



## Protanomaly

74.5280, 0.3258, 0.4122



## Deuteranomaly

73.4005, 0.3190, 0.3822



## Tritanomaly

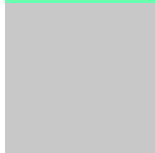
76.2848, 0.2628, 0.3516

# Monochromacy



## Original Color

77.4008, 0.2735, 0.4332



## Achromatopsia

57.7580, 0.3127, 0.3290



## Achromatomaly

62.8405, 0.2926, 0.3655

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 77.4008, 0.2735, 0.4332 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(102, 255, 174)` looks like.

```
.text, #text, p{  
    color:rgb(102, 255, 174)  
}
```

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(102, 255, 174) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(102, 255, 174) }
```

## Border

The CSS property to change the border of an element to Yxy 77.4008, 0.2735, 0.4332 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(102, 255, 174) }
```

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

```
.border{ border-color:rgb(102, 255, 174) }
```

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

Here you see how a box with a 4 pixel `rgb(102, 255, 174)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(102, 255, 174); -webkit-box-  
shadow:4px 4px 4px 4px rgb(102, 255, 174);  
box-shadow:4px 4px 4px 4px rgb(102, 255,  
174) }
```



# Background

The CSS property to change the background color of an element to Yxy 77.4008, 0.2735, 0.4332 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(102, 255, 174) }
```

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

```
.background{ background-color: rgb(102,  
255, 174) }
```

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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