

# Converting Colors

$Yxy(77.1572, 0.2764, 0.4418)$

Have a look what the booklet for  
Yxy(77.1572, 0.2764, 0.4418)  
contains.

|   |    |
|---|----|
| <b>Yxy(77.1719, 0.2762, 0.4413)</b> ..... | 3  |
| <b>Conversions</b> .....                  | 4  |
| <b>Details</b> .....                      | 6  |
| <b>Harmonies</b> .....                    | 12 |
| <b>Previews</b> .....                     | 24 |
| <b>Color Blindness Simulation</b> .....   | 27 |
| <b>CSS Examples</b> .....                 | 30 |

# Color

**Yxy(77.1719, 0.2762, 0.4413)**

# Conversions

## Conversions Part 1

| Format      | Color                        |
|-------------|------------------------------|
| Hex         | 66FFA8                       |
| RGB         | 102, 255, 168                |
| RGB Percent | 40%, 100%, 66%               |
| CMY         | 0.6004, 0.0000, 0.3411       |
| CMYK        | 0.60, 0.00, 0.34, 0.00       |
| HSL         | 146°, 100%, 70%              |
| HSV         | 146°, 60%, 100%              |
| XYZ         | 48.3002, 77.1719, 49.4019    |
| YIQ         | 199.3350, -63.2610, -59.4930 |

# Conversions

## Conversions Part 2

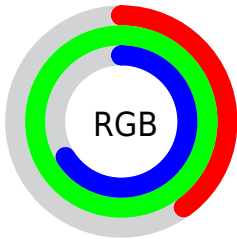
| Format                              | Color  |
|-------------------------------------|--|
| <a href="#">RYB</a>                 | <a href="#">102, 209, 255</a>                |
| Decimal                             | <a href="#">6750120</a>                      |
| CIELab                              | <a href="#">90.40, -59.62, 29.77</a>         |
| CIELCh                              | <a href="#">90, 66.641, 153.469</a>          |
| Yxy                                 | <a href="#">77.1719, 0.2762, 0.4413</a>      |
| Android<br>(android.graphics.Color) | <a href="#">4284940200<br/>(0xFF66FFA8)</a>  |
| YUV                                 | <a href="#">199.3350, -15.4482, -85.3628</a> |
| Hunter-Lab                          | <a href="#">87.8475, -55.5906, 28.1510</a>   |

# Details

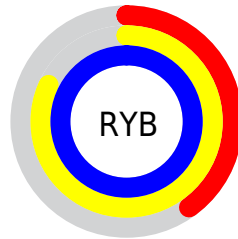
The Yxy color **77.1719, 0.2762, 0.4413** is a light color, and the websafe version is hex **66FF99**. A complement of this color would be **34.4138, 0.3901, 0.2434**, and the grayscale version is **57.4371, 0.3127, 0.3290**.

A 20% lighter version of the original color is **84.9012, 0.2777, 0.3642**, and **41.2559, 0.2656, 0.4718** is the 20% darker color. If you saturate the color by 10%, you get **75.3906, 0.2742, 0.4639**, and if you desaturate by 10%, it is **79.4616, 0.2799, 0.4191**.

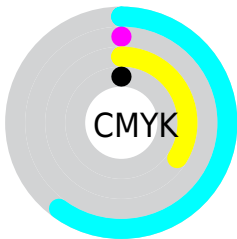
# Distribution



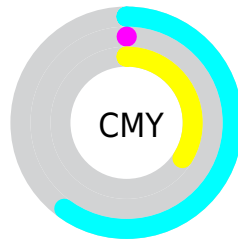
- Red (40%)
- Green (100%)
- Blue (66%)



- Red (40%)
- Yellow (82%)
- Blue (100%)



- Cyan (60%)
- Magenta (0%)
- Yellow (34%)
- Black (0%)




- Cyan (60%)
- Magenta (0%)
- Yellow (34%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 77.1719, 0.2762, 0.4413 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 77.1719, 0.2762, 0.4413 by changing the saturation by 10% instead.





 77.1719, 0.2762,  
0.4413

 77.1719, 0.2762,  
0.4413


485.3499, 0.2948,  
0.3862

 57.3940, 0.2715,  
0.4546


 129.3821, 0.2830,  
0.4216

 41.3216, 0.2655,  
0.4715


 162.5832, 0.2855,  
0.4141

 28.5705, 0.2575,  
0.4933


 201.0274, 0.2877,  
0.4077

 18.7561, 0.2466,  
0.5228

245.0992, 0.2895,  
0.4022

 11.4942, 0.2306,  
0.5642

295.1830, 0.2911,  
0.3974

 6.4003, 0.2056,  
0.6257


351.6631, 0.2925,


 3.0900, 0.1662,


0.3932


0.7429


414.9239, 0.2937,  
0.3895


 1.1789, 0.0000,  
1.0000


 0.0444, 0.0000,  
1.0000


 77.1719, 0.2762,  
0.4413


 77.1719, 0.2762,  
0.4413

 75.3906, 0.2742,  
0.4639


 79.4616, 0.2799,  
0.4191


 74.0866, 0.2742,  
0.4861


 82.3141, 0.2850,  
0.3979

 73.2011, 0.2761,  
0.5072

 85.7605, 0.2911,  
0.3781

 72.6483, 0.2796,  
0.5264

 89.8335, 0.2980,  
0.3600

 94.5635, 0.3052,  
0.3436

99.9789, 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.



77.1719, 0.3509, 0.4743



77.1719, 0.2762, 0.4413



77.1719, 0.2155, 0.3628

# Triad

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



77.1719, 0.2762, 0.4413



77.1719, 0.2063, 0.2114



77.1719, 0.4625, 0.3452

# Complementary

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



77.1719, 0.2762, 0.4413



34.4138, 0.3901, 0.2434

# 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.



77.1719, 0.4141, 0.2902



77.1719, 0.2762, 0.4413



77.1719, 0.2600, 0.2171

# Square

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



77.1719, 0.2762, 0.4413



77.1719, 0.1803, 0.2320



77.1719, 0.3361, 0.2450



77.1719, 0.4623, 0.4028



# Rectangle

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



77.1719, 0.2762, 0.4413



77.1719, 0.1903, 0.3075



77.1719, 0.3361, 0.2450



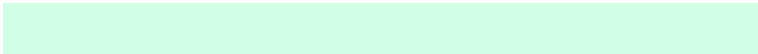
77.1719, 0.4514, 0.3263

# Sweetspot

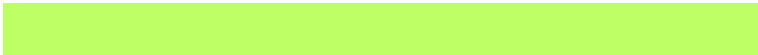
The Sweet Spot groups the original color and five complimentary colors.



77.1670, 0.2762, 0.4413



90.7426, 0.2994, 0.3565



83.5812, 0.3536, 0.4951



19.1464, 0.2974, 0.3615



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.



77.1670, 0.2762, 0.4413



75.0988, 0.2740, 0.4683



80.7647, 0.2440, 0.3439



20.2984, 0.3056, 0.3428



37.9889, 0.2787, 0.5234



3.7203, 0.2725, 0.5011



# Inverse Universe

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



34.4138, 0.3901, 0.2434



28.9410, 0.4137, 0.2332



31.9745, 0.4870, 0.3174



18.1600, 0.3205, 0.3156



12.2057, 0.4676, 0.2350

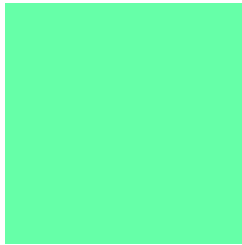


1.2104, 0.4462, 0.2232



# Previews

## White Background



This preview shows how the Yxy color 77.1719, 0.2762, 0.4413 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

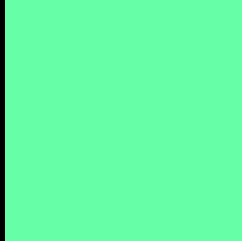
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 77.1719, 0.2762, 0.4413 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

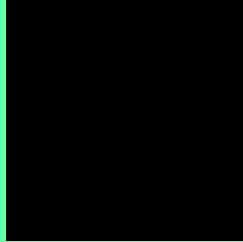
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 77.1719, 0.2762, 0.4413**

## Background



This preview shows how black text looks on a background with the Yxy color 77.1719, 0.2762, 0.4413.

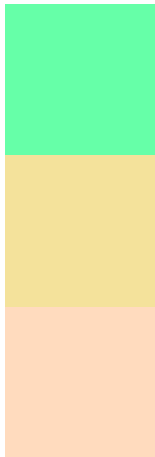


This preview shows how white text looks on a background with the Yxy color 77.1719, 0.2762, 0.4413.

# 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

77.1719, 0.2762, 0.4413

### Protanopia

75.9924, 0.3738, 0.4034

### Deuteranopia

75.6407, 0.3599, 0.3588



## Tritanopia

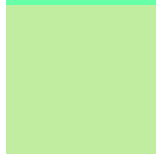
76.3239, 0.2574, 0.3108

# Trichromacy



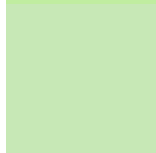
## Original Color

77.1719, 0.2762, 0.4413



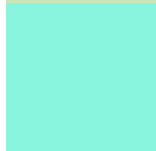
## Protanomaly

74.3129, 0.3294, 0.4194



## Deuteranomaly

73.2327, 0.3215, 0.3869



## Tritanomaly

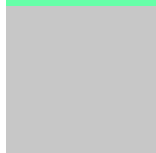
76.0358, 0.2638, 0.3553

# Monochromacy



## Original Color

77.1719, 0.2762, 0.4413



## Achromatopsia

57.1125, 0.3127, 0.3290



## Achromatomaly

62.1864, 0.2944, 0.3683

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 77.1719, 0.2762, 0.4413 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, 168)` looks like.

```
.text, #text, p{  
    color:rgb(102, 255, 168)  
}
```

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, 168) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(102, 255, 168) }
```

## Border

The CSS property to change the border of an element to Yxy 77.1719, 0.2762, 0.4413 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, 168) }
```

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

```
.border{ border-color:rgb(102, 255, 168) }
```

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, 168)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(102, 255, 168); -webkit-box-  
shadow:4px 4px 4px 4px rgb(102, 255, 168);  
box-shadow:4px 4px 4px 4px rgb(102, 255,  
168) }
```



# Background

The CSS property to change the background color of an element to Yxy 77.1719, 0.2762, 0.4413 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, 168) }
```

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

```
.background{ background-color: rgb(102,  
255, 168) }
```

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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