

# Converting Colors

YUV(84.7680, 76.5294, 94.0425)

Have a look what the booklet for  
YUV(84.7680, 76.5294, 94.0425)  
contains.

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# Color

**YUV(84.7680, 76.5294,  
94.0425)**

# Conversions

## Conversions Part 1

Format	Color
Hex	C000F0
RGB	192, 0, 240
RGB Percent	75%, 0%, 94%
CMY	0.2471, 1.0000, 0.0588
CMYK	0.20, 1.00, 0.00, 0.06
HSL	288°, 100%, 47%
HSV	288°, 100%, 94%
XYZ	37.4664, 17.4977, 83.8408
YIQ	84.7680, 37.3920, 115.3440

# Conversions

## Conversions Part 2

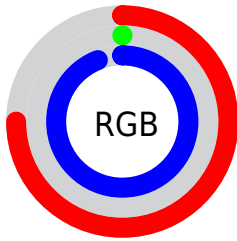
<b>Format</b>	<b>Color</b>
<b>RYB</b>	192, 0, 240
Decimal	12583152
CIELab	48.88, 86.95, -71.45
CIELCh	49, 112.540, 320.589
Yxy	17.4977, 0.2699, 0.1261
Android (android.graphics.Color)	4290773232 (0xFFC000F0)
YUV	84.7680, 76.5294, 94.0425
Hunter-Lab	41.8303, 86.6752, -89.5542

# Details

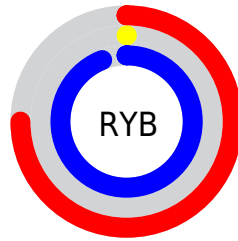
The YUV color **84.7680, 76.5294, 94.0425** is a light color, and the websafe version is hex **CC00FF**. The color can be described as light saturated magenta. A complement of this color would be **155.2320, -76.5294, -94.0425**, and the grayscale version is **84.0000, 0.0000, 0.0000**.

A 20% lighter version of the original color is **159.3080, 47.1762, 82.1679**, and **60.3300, 60.4763, 62.8546** is the 20% darker color. If you saturate the color by 10%, you get **84.7680, 76.5294, 94.0425**, and if you desaturate by 10%, it is **100.3510, 68.8470, 84.7612**.

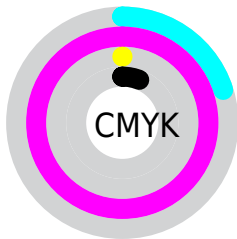
# Distribution



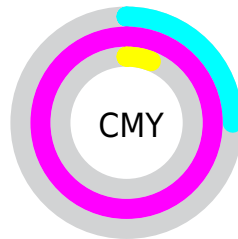
- Red (75%)
- Green (0%)
- Blue (94%)



- Red (75%)
- Yellow (0%)
- Blue (94%)



- Cyan (20%)
- Magenta (100%)
- Yellow (0%)
- Black (6%)




- Cyan (25%)
- Magenta (100%)
- Yellow (6%)


# Brightness & Saturation Gradients

These gradients show how the YUV color 84.7680, 76.5294, 94.0425 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 YUV color 84.7680, 76.5294, 94.0425 by changing the saturation by 10% instead.





 84.7680, 76.5294,  
94.0425


 84.7680, 76.5294,  
94.0425


255.0000, 0.0000,  
0.0000


 72.4920, 68.2844,  
78.4985


 159.3080, 47.1762,  
82.1679


 60.3300, 60.4763,  
62.8546


 178.1030, 37.9102,  
67.4387


 48.1680, 52.6682,  
47.2107


 195.7130, 29.2285,  
51.9947

 35.8210, 45.4442,  
30.8520

 213.3230, 20.5468,  
36.5507

 24.1860, 38.3623,  
15.6229

 230.9330, 11.8650,  
21.1068

 8.7780, 33.6334,  
-7.6983

 248.5430, 3.1833,

 8.9770, 21.7033,

5.6628

-7.8728

■ 4.7080, 12.9620,  
-4.1289

■ 0.1140, 0.4368,  
-0.1000

■ 84.7680, 76.5294,  
94.0425

■ 100.3510, 68.8470,  
84.7612

■ 115.9340, 61.1645,  
75.4799

■ 131.2180, 53.6295,  
65.5838

■ 146.8010, 45.9471,  
56.3025

■ 162.3840, 38.2647,  
47.0212

■ 177.9670, 30.5823,  
37.7399

■ 193.5500, 22.8998,  
28.4586

■ 208.8340, 15.3648,  
18.5626

■ 224.4170, 7.6824,  
9.2813

# Harmonies

## Analogous

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



91.8790, 80.4187, -80.5779



84.7680, 76.5294, 94.0425



93.4590, 28.3677, 141.6715

# Triad

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



84.7680, 76.5294, 94.0425



109.5080, -53.9874, 49.5435



109.3850, 35.7992, -95.9306

# Complementary

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



84.7680, 76.5294, 94.0425



155.2320, -76.5294, -94.0425

# 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.



96.2240, -7.0124, -84.3884



84.7680, 76.5294, 94.0425



99.6210, -49.1132, -20.7156

# Square

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



84.7680, 76.5294, 94.0425



83.1570, -40.9964, 129.6583



83.9410, -41.3829, -73.6163



117.1200, 67.9748, -102.7142



# Rectangle

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



84.7680, 76.5294, 94.0425



86.2770, 0.8494, 147.9701



83.9410, -41.3829, -73.6163



105.0360, 21.6743, -92.1166

# Sweetspot

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



84.7680, 76.5294, 94.0425



205.9030, 24.2048, 29.9031



55.5360, 90.9408, -48.7051



98.0080, 14.7861, 17.5330



0.0000, 0.0000, 0.0000



128.0000, 0.0000, 0.0000



# Same Dimension

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



84.7680, 76.5294, 94.0425



90.0660, 81.3125, 99.9201



90.9120, 38.0044, 130.7502



112.0590, 3.9149, 4.3333



64.9290, 58.7020, 71.9763



19.8390, 17.8274, 22.0662



# Inverse Universe

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



77.2320, -14.4114, 142.7475



82.0590, -15.3121, 151.6693



149.0880, -38.0044, -130.7502



111.8160, -0.8953, 7.1774



59.2340, -10.9614, 109.4198



17.9980, -3.4500, 33.3278



# Previews

## White Background



This preview shows how the YUV color 84.7680, 76.5294, 94.0425 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

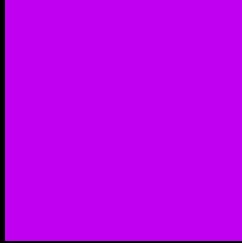
Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the YUV color 84.7680, 76.5294, 94.0425 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

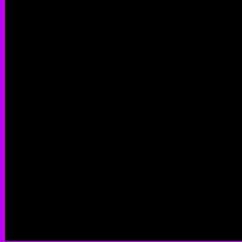
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

# YUV 84.7680, 76.5294, 94.0425

## Background



This preview shows how black text looks on a background with the YUV color 84.7680, 76.5294, 94.0425.



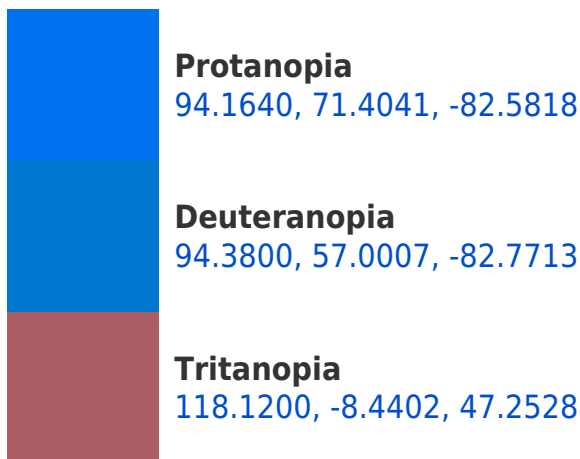
This preview shows how white text looks on a background with the YUV color 84.7680, 76.5294,



# 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



# Trichromacy



## Protanomaly

91.0270, 72.9507, -18.4407

## Deuteranomaly

90.7360, 64.2202, -18.1855

## Tritanomaly

106.0690, 22.6440, 63.9605

# Monochromacy



## Achromatopsia

85.0000, 0.0000, 0.0000

## Achromatomaly

84.8480, 27.6829, 34.3363

# CSS Examples

## Text

The CSS property to change the color of the text to YUV 84.7680, 76.5294, 94.0425 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(192, 0, 240)` looks like.

```
.text, #text, p{  
    color:rgb(192, 0, 240)  
}
```

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(192, 0, 240) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(192, 0, 240) }
```

## Border

The CSS property to change the border of an element to YUV 84.7680, 76.5294, 94.0425 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(192, 0, 240) }
```

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

```
.border{ border-color:rgb(192, 0, 240) }
```

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

Here you see how a box with a 4 pixel `rgb(192, 0, 240)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(192, 0, 240); -webkit-box-  
shadow:4px 4px 4px 4px rgb(192, 0, 240);  
box-shadow:4px 4px 4px 4px rgb(192, 0,  
240) }
```



# Background

The CSS property to change the background color of an element to YUV 84.7680, 76.5294, 94.0425 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(192, 0, 240) }
```

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

```
.background{ background-color: rgb(192, 0,  
240) }
```

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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