

# Converting Colors

YIQ(88.5240, 61.3260, 111.1020)

Have a look what the booklet for  
YIQ(88.5240, 61.3260, 111.1020)  
contains.

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# Color

**YIQ(88.5240, 61.3260,  
111.1020)**

# Conversions

## Conversions Part 1

| Format      | Color                      |
|-------------|----------------------------|
| Hex         | D800D2                     |
| RGB         | 216, 0, 210                |
| RGB Percent | 85%, 0%, 82%               |
| CMY         | 0.1523, 0.9999, 0.1764     |
| CMYK        | 0.00, 1.00, 0.03, 0.15     |
| HSL         | 302°, 100%, 42%            |
| HSV         | 302°, 100%, 85%            |
| XYZ         | 40.0029, 19.2782, 62.5989  |
| YIQ         | 88.5240, 61.3260, 111.1020 |

# Conversions

## Conversions Part 2

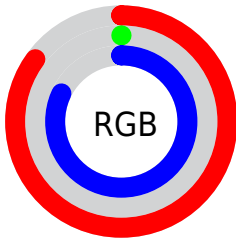
| <b>Format</b>                       | <b>Color</b>                  |
|-------------------------------------|-------------------------------|
| <b>R<sub>YB</sub></b>               | 216, 0, 210                   |
| Decimal                             | 14155986                      |
| CIE <sub>Lab</sub>                  | 51.01, 85.86, -50.77          |
| CIE <sub>LCh</sub>                  | 51, 99.748, 329.406           |
| Yxy                                 | 19.2782, 0.3282,<br>0.1582    |
| Android<br>(android.graphics.Color) | 4292346066<br>(0xFFD800D2)    |
| YUV                                 | 88.5240, 59.8877,<br>111.7965 |
| Hunter-Lab                          | 43.9069, 85.7917,<br>-53.7960 |

# Details

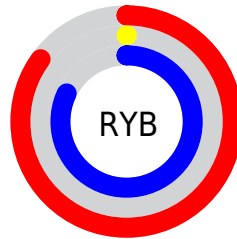
The YIQ color **88.5240, 61.3260, 111.1020** is a dark color, and the websafe version is hex **CC00CC**. The color can be described as middle washed magenta. A complement of this color would be **127.4760, -61.3260, -111.1020**, and the grayscale version is **88.0000, -0.0000, -0.0000**.

A 20% lighter version of the original color is **161.6670, 43.7250, 83.1570**, and **64.3140, 43.2210, 81.2770** is the 20% darker color. If you saturate the color by 10%, you get **88.5240, 61.3260, 111.1020**, and if you desaturate by 10%, it is **101.5520, 54.9550, 99.9070**.

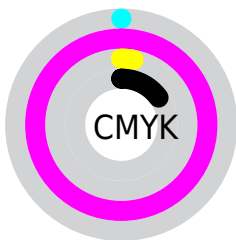
# Distribution



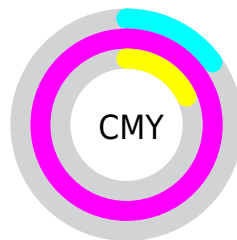
- Red (85%)
- Green (0%)
- Blue (82%)



- Red (85%)
- Yellow (0%)
- Blue (82%)



- Cyan (0%)
- Magenta (100%)
- Yellow (3%)
- Black (15%)



- Cyan (15%)
- Magenta (100%)
- Yellow (18%)

# Brightness & Saturation Gradients

These gradients show how the YIQ color 88.5240, 61.3260, 111.1020 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 YIQ color 88.5240, 61.3260, 111.1020 by changing the saturation by 10% instead.





 88.5240, 61.3260,  
111.1020


 88.5240, 61.3260,  
111.1020


255.0000, -0.0000,  
-0.0000


 76.3620, 52.4340,  
96.0340


 161.6670, 43.7250,  
83.1570


 64.3140, 43.2210,  
81.2770


 179.8640, 35.2000,  
66.9440


 52.5650, 34.6040,  
66.7320


 198.0610, 26.6750,  
50.7310

 40.9300, 25.6660,  
52.4980

 215.6710, 18.4250,  
35.0410

 30.1210, 17.2780,  
39.3100

 233.2810, 10.1750,  
19.3510

 18.1160, 6.5060,  
25.2740

 251.4780, 1.6500,

 3.5340, -9.9510,

3.1380

9.6410

■ 0.2280, -0.6420,  
0.6220

■ 0.0000, 0.0000,  
0.0000

■ 88.5240, 61.3260,  
111.1020

■ 101.5520, 54.9550,  
99.9070

■ 113.8790, 49.1800,  
88.9240

■ 126.9070, 42.8090,  
77.7290

■ 139.2340, 37.0340,  
66.7460

■ 152.2620, 30.6630,  
55.5510

■ 165.2900, 24.2920,  
44.3560

■ 177.6170, 18.5170,  
33.3730

■ 190.6450, 12.1460,  
22.1780

■ 203.6730, 5.7750,  
10.9830

# Harmonies

## Analogous

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



112.5980, -58.4200, 45.5480



88.5240, 61.3260, 111.1020



90.7230, 111.2130, 93.5570

# Triad

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



88.5240, 61.3260, 111.1020



114.1160, 56.9500, -29.9140



114.2410, -108.1090, -17.6210

# Complementary

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



88.5240, 61.3260, 111.1020



127.4760, -61.3260, -111.1020

# 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.



103.1490, -79.6320, -43.6320



88.5240, 61.3260, 111.1020



99.2340, -3.0610, -60.1890

# Square

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



88.5240, 61.3260, 111.1020



108.2990, 106.0480, 5.4080



88.7170, -44.5060, -74.5060



117.7070, -123.3800, 0.3320



# Rectangle

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



88.5240, 61.3260, 111.1020



84.4530, 128.8680, 76.4520



88.7170, -44.5060, -74.5060



111.0490, -99.1210, -26.3290

# Sweetspot

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



88.5240, 61.3260, 111.1020



210.1600, 21.5420, 39.1260



25.8200, -66.9520, 68.0240



100.7700, 13.2920, 23.4360



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.



88.5240, 61.3260, 111.1020



104.5170, 72.3720, 131.1880



76.4400, 95.3520, 78.1360



100.5430, 3.0250, 5.7530



70.0530, 48.6300, 87.8780



17.6450, 12.1460, 22.1780



# Inverse Universe

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



88.5240, 61.3260, 111.1020



104.5170, 72.3720, 131.1880



139.5600, -95.3520, -78.1360



100.5430, 3.0250, 5.7530



70.0530, 48.6300, 87.8780



17.6450, 12.1460, 22.1780



# Previews

## White Background



This preview shows how the YIQ color 88.5240, 61.3260, 111.1020 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

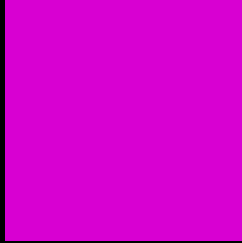
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the YIQ color 88.5240, 61.3260, 111.1020 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

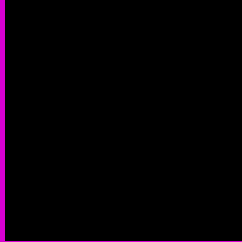
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

# YIQ 88.5240, 61.3260, 111.1020

## Background



This preview shows how black text looks on a background with the YIQ color 88.5240, 61.3260, 111.1020.



This preview shows how white text looks on a background with the YIQ color 88.5240, 61.3260,



# 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

88.5240, 61.3260, 111.1020

### Protanopia

98.4670, -113.2960, 15.8240

### Deuteranopia

118.5790, -49.3820, 13.8980



## Tritanopia

119.4500, 69.9150, 26.9950

# Trichromacy



## Original Color

88.5240, 61.3260, 111.1020



## Protanomaly

95.1370, -49.5720, 50.3960



## Deuteranomaly

107.6840, -8.8120, 49.5880



## Tritanomaly

108.3510, 67.0210, 57.4290

# Monochromacy



## Original Color

88.5240, 61.3260, 111.1020



## Achromatopsia

89.0000, -0.0000, -0.0000



## Achromatomaly

88.9860, 22.0920, 40.1720

# CSS Examples

## Text

The CSS property to change the color of the text to YIQ 88.5240, 61.3260, 111.1020 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(216, 0, 210)` looks like.

```
.text, #text, p{  
    color:rgb(216, 0, 210)  
}
```

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(216, 0, 210) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(216, 0, 210) }
```

## Border

The CSS property to change the border of an element to YIQ 88.5240, 61.3260, 111.1020 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(216, 0, 210) }
```



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

```
.border{ border-color:rgb(216, 0, 210) }
```

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

Here you see how a box with a 4 pixel `rgb(216, 0, 210)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(216, 0, 210); -webkit-box-  
shadow:4px 4px 4px 4px rgb(216, 0, 210);  
box-shadow:4px 4px 4px 4px rgb(216, 0,  
210) }
```

# Background

The CSS property to change the background color of an element to YIQ 88.5240, 61.3260, 111.1020 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(216, 0, 210) }
```

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

```
.background{ background-color: rgb(216, 0,  
210) }
```

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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