

# Converting Colors

YIQ(112.6300, 72.6510,  
109.6030)

Have a look what the booklet for  
YIQ(112.6300, 72.6510, 109.6030)  
contains.

|  |    |
|--|----|
| <b>YIQ(112.6300, 72.6510, 109.6030)</b> .....  | 3  |
| <b><i>Conversions</i></b> .....                | 4  |
| <b><i>Details</i></b> .....                    | 6  |
| <b><i>Harmonies</i></b> .....                  | 12 |
| <b><i>Previews</i></b> .....                   | 24 |
| <b><i>Color Blindness Simulation</i></b> ..... | 28 |
| <b><i>CSS Examples</i></b> .....               | 31 |

# **Color**

**YIQ(112.6300, 72.6510,  
109.6030)**

# Conversions

## Conversions Part 1

| Format      | Color                       |
|-------------|-----------------------------|
| Hex         | FA16DB                      |
| RGB         | 250, 22, 219                |
| RGB Percent | 98%, 9%, 86%                |
| CMY         | 0.0189, 0.9140, 0.1410      |
| CMYK        | 0.00, 0.91, 0.12, 0.02      |
| HSL         | 308°, 96%, 53%              |
| HSV         | 308°, 91%, 98%              |
| XYZ         | 52.5610, 26.0418, 69.2980   |
| YIQ         | 112.6300, 72.6510, 109.6030 |

# Conversions

## Conversions Part 2

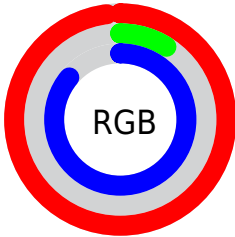
| <b>Format</b>                       | <b>Color</b>                   |
|-------------------------------------|--------------------------------|
| <b>R<sub>YB</sub></b>               | 250, 22, 219                   |
| Decimal                             | 16389851                       |
| CIE <sub>Lab</sub>                  | 58.08, 91.11, -44.32           |
| CIE <sub>LCh</sub>                  | 58, 101.314, 334.061           |
| Yxy                                 | 26.0418, 0.3554,<br>0.1761     |
| Android<br>(android.graphics.Color) | 4294579931<br>(0xFFFA16DB)     |
| YUV                                 | 112.6300, 52.4404,<br>120.4735 |
| Hunter-Lab                          | 51.0312, 94.5464,<br>-44.7913  |

# Details

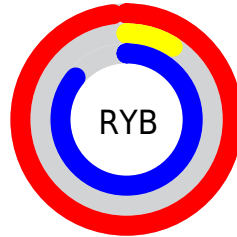
The YIQ color **112.6300, 72.6510, 109.6030** is a light color, and the websafe version is hex **FF00CC**. The color can be described as light washed magenta. A complement of this color would be **159.3700, -72.6510, -109.6030**, and the grayscale version is **112.0000, -0.0000, 0.0000**.

A 20% lighter version of the original color is **168.1240, 40.7000, 77.4040**, and **75.0930, 60.3210, 90.7610** is the 20% darker color. If you saturate the color by 10%, you get **99.3740, 79.6640, 120.1760**, and if you desaturate by 10%, it is **127.6470, 64.8130, 97.4610**.

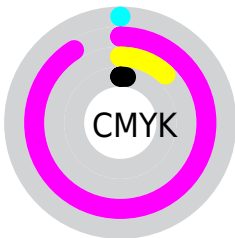
# Distribution



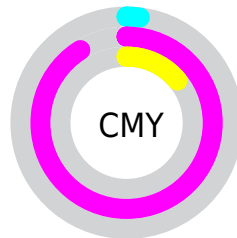
- Red (98%)
- Green (9%)
- Blue (86%)



- Red (98%)
- Yellow (9%)
- Blue (86%)



- Cyan (0%)
- Magenta (91%)
- Yellow (12%)
- Black (2%)




- Cyan (2%)
- Magenta (91%)
- Yellow (14%)

# Brightness & Saturation Gradients

These gradients show how the YIQ color 112.6300, 72.6510, 109.6030 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 112.6300, 72.6510, 109.6030 by changing the saturation by 10% instead.





 112.6300, 72.6510,  
109.6030


 112.6300, 72.6510,  
109.6030


255.0000, -0.0000,  
-0.0000


 87.2550, 69.2130,  
105.8290


 168.1240, 40.7000,  
77.4040


 75.0930, 60.3210,  
90.7610


 186.9080, 31.9000,  
60.6680


 63.1590, 50.7870,  
76.3150


 205.1050, 23.3750,  
44.4550

 51.2250, 41.2530,  
61.8690

 223.3020, 14.8500,  
28.2420

 39.4050, 31.3980,  
47.7340

 241.4990, 6.3250,  
12.0290

 28.5960, 23.0100,  
34.5460

 16.7050, 11.9170,

20.8210

■ 2.2970, -5.0900,  
4.1420

■ 0.0000, 0.0000,  
0.0000

■ 112.6300, 72.6510,  
109.6030

■ 112.6300, 72.6510,  
109.6030

■ 99.3740, 79.6640,  
120.1760

■ 127.6470, 64.8130,  
97.4610

■ 142.7780, 56.6540,  
85.6300

■ 157.7950, 48.8160,  
73.4880

■ 172.9260, 40.6570,  
61.6570

187.9430, 32.8190,  
49.5150

203.0740, 24.6600,  
37.6840

218.0910, 16.8220,  
25.5420

233.1080, 8.9840,  
13.4000

248.2390, 0.8250,  
1.5690

# Harmonies

## Analogous

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



134.6250, -27.5190, 52.7130



112.6300, 72.6510, 109.6030



91.2930, 109.6080, 95.1120

# Triad

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



112.6300, 72.6510, 109.6030



130.3080, 55.9890, -40.0350



129.8570, -124.5230, -17.5070

# Complementary

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



112.6300, 72.6510, 109.6030



159.3700, -72.6510, -109.6030

# 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.



119.2380, -96.0000, -44.3520



112.6300, 72.6510, 109.6030



111.2510, -10.8990, -72.3310

# Square

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



112.6300, 72.6510, 109.6030



128.9320, 108.1590, -5.3210



105.8320, -63.7630, -72.4270



128.2730, -128.3300, -9.0820



# Rectangle

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



112.6300, 72.6510, 109.6030



84.6810, 128.2260, 77.0740



105.8320, -63.7630, -72.4270



126.6650, -115.5350, -26.2150

# Sweetspot

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



112.6300, 72.6510, 109.6030



213.4710, 21.8640, 33.2880



56.9620, -55.3080, 77.2680



103.2490, 13.2010, 19.5770



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.



112.6300, 72.6510, 109.6030



101.3250, 81.3600, 122.4800



99.7480, 108.9240, 74.4600



117.1410, 4.2170, 6.1770



75.0930, 60.3210, 90.7610



24.2810, 19.3430, 29.4150



# Inverse Universe

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



112.6300, 72.6510, 109.6030



101.3250, 81.3600, 122.4800



172.2520, -108.9240, -74.4600



117.1410, 4.2170, 6.1770



75.0930, 60.3210, 90.7610



24.2810, 19.3430, 29.4150



# Previews

## White Background



This preview shows how the YIQ color 112.6300, 72.6510, 109.6030 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

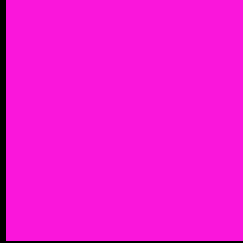
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the YIQ color 112.6300, 72.6510, 109.6030 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 112.6300, 72.6510, 109.6030

## Background



This preview shows how black text looks on a background with the YIQ color 112.6300, 72.6510, 109.6030.



This preview shows how white text looks on a background with the YIQ color 112.6300, 72.6510,



# 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

112.6300, 72.6510, 109.6030

### Protanopia

133.1100, -72.4460, 24.4020

### Deuteranopia

138.5650, -37.5990, 15.1130



## Tritanopia

133.7190, 88.3910, 33.5670

# Trichromacy



## Original Color

112.6300, 72.6510, 109.6030



## Protanomaly

125.5120, -19.7710, 55.4690



## Deuteranomaly

128.8440, 2.4210, 49.7570



## Tritanomaly

126.0710, 82.6090, 61.2730

# Monochromacy



## Original Color

112.6300, 72.6510, 109.6030



## Achromatopsia

113.0000, -0.0000, 0.0000



## Achromatomaly

113.0250, 26.3560, 39.9880

# CSS Examples

## Text

The CSS property to change the color of the text to YIQ 112.6300, 72.6510, 109.6030 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(250, 22, 219)` looks like.

```
.text, #text, p{  
    color:rgb(250, 22, 219)  
}
```

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(250, 22, 219) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(250, 22, 219) }
```

## Border

The CSS property to change the border of an element to YIQ 112.6300, 72.6510, 109.6030 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(250, 22, 219) }
```



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

```
.border{ border-color:rgb(250, 22, 219) }
```

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

Here you see how a box with a 4 pixel rgb(250, 22, 219) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(250, 22, 219); -webkit-box-  
shadow:4px 4px 4px 4px rgb(250, 22, 219);  
box-shadow:4px 4px 4px 4px rgb(250, 22,  
219) }
```

# Background

The CSS property to change the background color of an element to YIQ 112.6300, 72.6510, 109.6030 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(250, 22, 219) }
```

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

```
.background{ background-color: rgb(250, 22,  
219) }
```

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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