

# Converting Colors

YIQ(115.9230, 72.2430, 83.9470)

Have a look what the booklet for  
YIQ(115.9230, 72.2430, 83.9470)  
contains.

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# Color

**YIQ(115.9230, 72.2430,  
83.9470)**

# Conversions

## Conversions Part 1

Format	Color
Hex	ED2AB3
RGB	237, 42, 179
RGB Percent	93%, 16%, 70%
CMY	0.0700, 0.8356, 0.2979
CMYK	0.00, 0.82, 0.24, 0.07
HSL	318°, 85%, 55%
HSV	318°, 82%, 93%
XYZ	43.9383, 22.9353, 44.7834
YIQ	115.9230, 72.2430, 83.9470

# Conversions

## Conversions Part 2

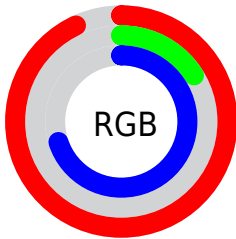
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	237, 42, 179
Decimal	15542963
CIE <sub>Lab</sub>	55.01, 80.55, -26.31
CIE <sub>LCh</sub>	55, 84.738, 341.910
Y <sub>xy</sub>	22.9353, 0.3935, 0.2054
Android (android.graphics.Color)	4293733043 (0xFFED2AB3)
YUV	115.9230, 31.0970, 106.1845
Hunter-Lab	47.8908, 79.9588, -21.9193

# Details

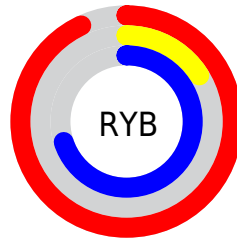
The YIQ color **115.9230, 72.2430, 83.9470** is a light color, and the websafe version is hex **FF33CC**. The color can be described as light washed rose. A complement of this color would be **163.0770, -72.2430, -83.9470**, and the grayscale version is **116.0000, -0.0000, 0.0000**.

A 20% lighter version of the original color is **168.7790, 45.7450, 68.5690**, and **66.9880, 64.4500, 76.4980** is the 20% darker color. If you saturate the color by 10%, you get **101.0370, 81.0900, 94.3220**, and if you desaturate by 10%, it is **130.8090, 63.3960, 73.5720**.

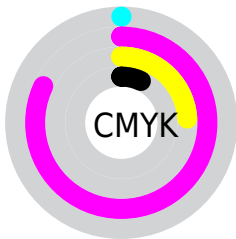
# Distribution



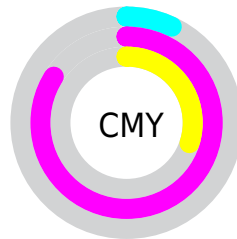
- Red (93%)
- Green (16%)
- Blue (70%)



- Red (93%)
- Yellow (16%)
- Blue (70%)



- Cyan (0%)
- Magenta (82%)
- Yellow (24%)
- Black (7%)




- Cyan (7%)
- Magenta (84%)
- Yellow (30%)


# Brightness & Saturation Gradients

These gradients show how the YIQ color 115.9230, 72.2430, 83.9470 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 115.9230, 72.2430, 83.9470 by changing the saturation by 10% instead.





 115.9230, 72.2430,  
83.9470


 115.9230, 72.2430,  
83.9470


255.0000, -0.0000,  
-0.0000


 79.2210, 74.5800,  
91.1560


 168.7790, 45.7450,  
68.5690


 66.9880, 64.4500,  
76.4980


 188.6690, 31.0750,  
59.0990


 55.4670, 55.1910,  
62.5750


 206.2790, 22.8250,  
43.4090

 43.7610, 45.0150,  
48.7510

 224.4760, 14.3000,  
27.1960

 32.3540, 35.4350,  
35.1390

 242.0860, 6.0500,  
11.5060

 21.5880, 25.4880,  
22.6720

 8.8990, 16.6420,

6.7700

■ 0.0000, 0.0000,  
0.0000

■ 115.9230, 72.2430,  
83.9470

■ 115.9230, 72.2430,  
83.9470

■ 101.0370, 81.0900,  
94.3220

■ 130.8090, 63.3960,  
73.5720

■ 89.9010, 87.6450,  
102.1810

■ 145.1080, 54.8240,  
63.7200

■ 159.9940, 45.9770,  
53.3450

■ 174.8800, 37.1300,  
42.9700

■ 189.7660, 28.2830,  
32.5950

■ 204.0650, 19.7110,  
22.7430

■ 218.9510, 10.8640,  
12.3680

■ 233.9510, 1.6960,  
2.3040

■ 248.2500, -6.8760,  
-7.5480

# Harmonies

## Analogous

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



133.5850, -3.6790, 61.1930



115.9230, 72.2430, 83.9470



94.1990, 115.2040, 81.7960

# Triad

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



115.9230, 72.2430, 83.9470



120.7730, 41.3180, -43.9780



120.6130, -117.7840, -12.9840

# Complementary

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



115.9230, 72.2430, 83.9470



163.0770, -72.2430, -83.9470

# 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.



113.9210, -96.1850, -35.4890



115.9230, 72.2430, 83.9470



99.9770, -21.8110, -72.8110

# Square

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



115.9230, 72.2430, 83.9470



123.4620, 85.6950, -16.7130



103.3820, -70.6430, -57.8670



118.2940, -123.6550, -0.1910



# Rectangle

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



115.9230, 72.2430, 83.9470



112.2880, 114.8900, 43.4180



103.3820, -70.6430, -57.8670



118.8060, -111.3180, -20.0380

# Sweetspot

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



115.9230, 72.2430, 83.9470



215.2660, 23.6990, 27.5630



80.6750, -29.8150, 72.3050



103.7390, 14.5770, 16.6650



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.



115.9230, 72.2430, 83.9470



98.5260, 93.3750, 108.4710



105.0930, 102.7380, 54.4020



110.2010, 3.9880, 4.8200



68.5970, 67.1090, 77.8690



20.4780, 19.9860, 23.2660



# Inverse Universe

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



115.9230, 72.2430, 83.9470



98.5260, 93.3750, 108.4710



173.9070, -102.7380, -54.4020



110.2010, 3.9880, 4.8200



68.5970, 67.1090, 77.8690



20.4780, 19.9860, 23.2660



# Previews

## White Background



This preview shows how the YIQ color 115.9230, 72.2430, 83.9470 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

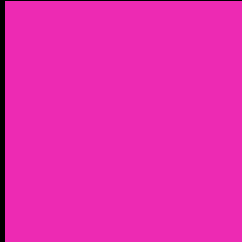
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the YIQ color 115.9230, 72.2430, 83.9470 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

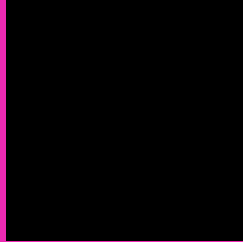
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

# YIQ 115.9230, 72.2430, 83.9470

## Background



This preview shows how black text looks on a background with the YIQ color 115.9230, 72.2430, 83.9470.



This preview shows how white text looks on a background with the YIQ color 115.9230, 72.2430,



# 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

115.9230, 72.2430, 83.9470

### Protanopia

124.7790, -70.0160, 24.4160

### Deuteranopia

133.1360, -14.5820, 10.9700



## Tritanopia

124.6050, 88.7120, 33.2560

# Trichromacy



## Original Color

115.9230, 72.2430, 83.9470



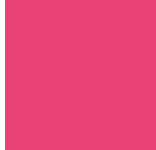
## Protanomaly

121.7860, -18.0270, 45.8850



## Deuteranomaly

126.7680, 16.7740, 37.4300



## Tritanomaly

121.8610, 82.8400, 51.5760

# Monochromacy



## Original Color

115.9230, 72.2430, 83.9470



## Achromatopsia

116.0000, -0.0000, 0.0000



## Achromatomaly

115.9290, 26.2660, 30.6020

# CSS Examples

## Text

The CSS property to change the color of the text to YIQ 115.9230, 72.2430, 83.9470 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(237, 42, 179)` looks like.

```
.text, #text, p{  
    color:rgb(237, 42, 179)  
}
```

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(237, 42, 179) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(237, 42, 179) }
```

## Border

The CSS property to change the border of an element to YIQ 115.9230, 72.2430, 83.9470 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(237, 42, 179) }
```



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

```
.border{ border-color:rgb(237, 42, 179) }
```

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

Here you see how a box with a 4 pixel `rgb(237, 42, 179)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(237, 42, 179); -webkit-box-  
shadow:4px 4px 4px 4px rgb(237, 42, 179);  
box-shadow:4px 4px 4px 4px rgb(237, 42,  
179) }
```

# Background

The CSS property to change the background color of an element to YIQ 115.9230, 72.2430, 83.9470 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(237, 42, 179) }
```

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

```
.background{ background-color: rgb(237, 42,  
179) }
```

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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