

# Converting Colors

YIQ(198.1290, 13.6590, 22.2910)

Have a look what the booklet for  
YIQ(198.1290, 13.6590, 22.2910)  
contains.

<b>YIQ(198.1290, 13.6590, 22.2910)</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(198.1290, 13.6590,  
22.2910)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	E1B4DD
RGB	225, 180, 221
RGB Percent	88%, 71%, 87%
CMY	0.1175, 0.2942, 0.1333
CMYK	0.00, 0.20, 0.02, 0.12
HSL	305°, 43%, 79%
HSV	305°, 20%, 88%
XYZ	60.4312, 53.8687, 75.6232
YIQ	198.1290, 13.6590, 22.2910

# Conversions

## Conversions Part 2

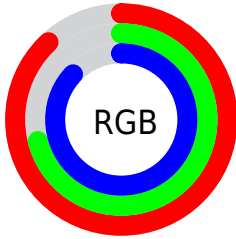
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	225, 180, 221
Decimal	14791901
CIE Lab	78.39, 23.11, -14.38
CIE LCh	78, 27.222, 328.101
Yxy	53.8687, 0.3182, 0.2836
Android (android.graphics.Color)	4292981981 (0xFFE1B4DD)
YUV	198.1290, 11.2754, 23.5659
Hunter-Lab	73.3953, 18.5293, -9.7131

# Details

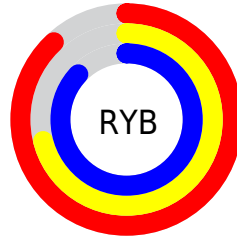
The YIQ color **198.1290, 13.6590, 22.2910** is a light color, and the websafe version is hex **FFCCFF**. A complement of this color would be **206.8710, -13.6590, -22.2910**, and the grayscale version is **198.0000, -0.0000, 0.0000**.

A 20% lighter version of the original color is **243.8470, 5.2250, 9.9370**, and **144.0040, 12.5130, 21.0330** is the 20% darker color. If you saturate the color by 10%, you get **184.4000, 20.6260, 33.6980**, and if you desaturate by 10%, it is **211.2710, 6.9670, 11.4070**.

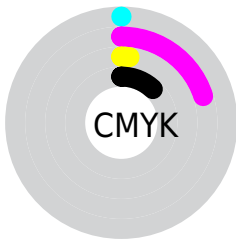
# Distribution



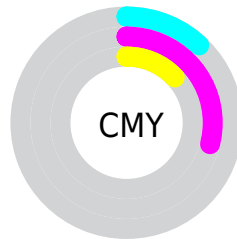
- Red (88%)
- Green (71%)
- Blue (87%)



- Red (88%)
- Yellow (71%)
- Blue (87%)



- Cyan (0%)
- Magenta (20%)
- Yellow (2%)
- Black (12%)



- Cyan (12%)
- Magenta (29%)
- Yellow (13%)

# Brightness & Saturation Gradients

These gradients show how the YIQ color 198.1290, 13.6590, 22.2910 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 198.1290, 13.6590, 22.2910 by changing the saturation by 10% instead.



■ 198.1290, 13.6590,  
22.2910

■ 198.1290, 13.6590,  
22.2910

255.0000, -0.0000,  
-0.0000

■ 170.7160, 13.3840,  
21.7680

■ 243.8470, 5.2250,  
9.9370

■ 144.0040, 12.5130,  
21.0330

■ 118.5910, 12.2380,  
20.5100

■ 93.1780, 11.9630,  
19.9870

■ 69.3520, 11.4130,  
18.9410

■ 45.7540, 10.2210,  
18.5170

■ 24.0420, 9.3500,

17.7820

■ 9.4990, 6.3250,  
12.0290

■ 0.0000, 0.0000,  
0.0000

■ 198.1290, 13.6590,  
22.2910

■ 198.1290, 13.6590,  
22.2910

■ 184.4000, 20.6260,  
33.6980

■ 211.2710, 6.9670,  
11.4070

■ 171.2580, 27.3180,  
44.5820

■ 225.0000, -0.0000,  
-0.0000

■ 157.5290, 34.2850,  
55.9890

■ 238.1420, -6.6920,  
-10.8840

■ 144.3870, 40.9770,  
66.8730

■ 243.0660, -9.5340,  
-14.4460

130.6580, 47.9440,  
78.2800

243.2940,  
-10.1760, -13.8240

117.5160, 54.6360,  
89.1640

243.5220,  
-10.8180, -13.2020

103.7870, 61.6030,  
100.5710

243.7500,  
-11.4600, -12.5800

90.6450, 68.2950,  
111.4550

243.9780,  
-12.1020, -11.9580

244.2060,  
-12.7440, -11.3360

# Harmonies

## Analogous

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



196.0920, -11.2820, 17.2460



198.1290, 13.6590, 22.2910



198.0140, 32.9160, 20.2120

# Triad

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



198.1290, 13.6590, 22.2910



193.1060, 28.5200, -10.2640



182.7140, -55.3370, -15.8570

# Complementary

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



198.1290, 13.6590, 22.2910



206.8710, -13.6590, -22.2910

# 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.



183.3380, -39.8390, -21.3990



198.1290, 13.6590, 22.2910



190.2990, 8.6230, -18.6170

# Square

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



198.1290, 13.6590, 22.2910



195.0140, 40.9430, 1.3830



186.5010, -15.4930, -22.0930



185.8210, -53.7800, -5.5240



# Rectangle

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



198.1290, 13.6590, 22.2910



197.2720, 40.7570, 15.7730



186.5010, -15.4930, -22.0930



182.4000, -51.5770, -17.9210

# Sweetspot

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



198.1290, 13.6590, 22.2910



246.0810, 4.4460, 7.5340



186.3260, -12.0610, 14.8430



122.6030, 2.7960, 4.3960



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.



198.1290, 13.6590, 22.2910



218.6230, 18.3800, 30.3480



195.6210, 20.7210, 15.4490



105.4290, 3.3460, 5.4420



70.8640, 53.5360, 87.0720



19.3680, 14.4840, 23.8600



# Inverse Universe

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



198.1290, 13.6590, 22.2910



218.6230, 18.3800, 30.3480



209.3790, -20.7210, -15.4490



105.4290, 3.3460, 5.4420



70.8640, 53.5360, 87.0720



19.3680, 14.4840, 23.8600



# Previews

## White Background



This preview shows how the YIQ color 198.1290, 13.6590, 22.2910 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

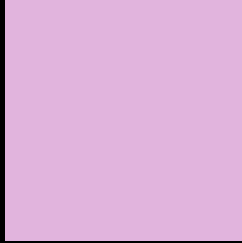
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the YIQ color 198.1290, 13.6590, 22.2910 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

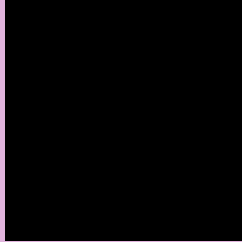
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

# YIQ 198.1290, 13.6590, 22.2910

## Background



This preview shows how black text looks on a background with the YIQ color 198.1290, 13.6590, 22.2910.



This preview shows how white text looks on a background with the YIQ color 198.1290, 13.6590,



# 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

198.1290, 13.6590, 22.2910

### Protanopia

194.7230, -14.8570, 10.4470

### Deuteranopia

196.0080, -2.4780, 11.8740



## Tritanopia

196.9580, 18.1540, 12.4100

# Trichromacy



## Original Color

198.1290, 13.6590, 22.2910

## Protanomaly

196.2190, -4.4500, 14.5740

## Deuteranomaly

197.0520, 3.3900, 15.6620

## Tritanomaly

197.5820, 16.4570, 15.6330

# Monochromacy



## Original Color

198.1290, 13.6590, 22.2910

## Achromatopsia

198.0000, -0.0000, 0.0000

## Achromatomaly

197.7930, 5.3170, 8.2690

# CSS Examples

## Text

The CSS property to change the color of the text to YIQ 198.1290, 13.6590, 22.2910 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(225, 180, 221)` looks like.

```
.text, #text, p{  
    color:rgb(225, 180, 221)  
}
```

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(225, 180, 221) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(225, 180, 221) }
```

## Border

The CSS property to change the border of an element to YIQ 198.1290, 13.6590, 22.2910 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(225, 180, 221) }
```



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

```
.border{ border-color:rgb(225, 180, 221) }
```

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

Here you see how a box with a 4 pixel `rgb(225, 180, 221)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(225, 180, 221); -webkit-box-  
shadow:4px 4px 4px 4px rgb(225, 180, 221);  
box-shadow:4px 4px 4px 4px rgb(225, 180,  
221) }
```

# Background

The CSS property to change the background color of an element to YIQ 198.1290, 13.6590, 22.2910 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(225, 180, 221) }
```

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

```
.background{ background-color: rgb(225,  
180, 221) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

**[Learn more, Memberships starting at \\$2.50/m!](#)**

**Follow me  
on Twitter!**

@ConvertingColor