

# Converting Colors

YIQ(213.8440, 27.6430, 22.1630)

Have a look what the booklet for  
YIQ(213.8440, 27.6430, 22.1630)  
contains.

<b>YIQ(213.8440, 27.6430, 22.1630)</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(213.8440, 27.6430,  
22.1630)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FEC0DD
RGB	254, 192, 221
RGB Percent	100%, 75%, 87%
CMY	0.0038, 0.2471, 0.1332
CMYK	0.00, 0.24, 0.13, 0.00
HSL	332°, 97%, 87%
HSV	332°, 24%, 100%
XYZ	72.7865, 63.9883, 76.9369
YIQ	213.8440, 27.6430, 22.1630

# Conversions

## Conversions Part 2

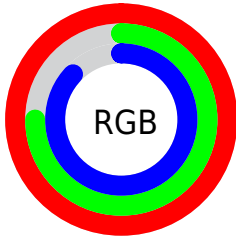
Format	Color
<a href="#">RYB</a>	<a href="#">254, 192, 221</a>
Decimal	<a href="#">16695517</a>
CIELab	<a href="#">83.96, 26.59, -5.79</a>
CIELCh	<a href="#">84, 27.210, 347.708</a>
Yxy	<a href="#">63.9883, 0.3406, 0.2994</a>
Android (android.graphics.Color)	<a href="#">4294885597 (0xFFFECD0DD)</a>
YUV	<a href="#">213.8440, 3.5279, 35.2168</a>
Hunter-Lab	<a href="#">79.9927, 22.4326, -1.0302</a>

# Details

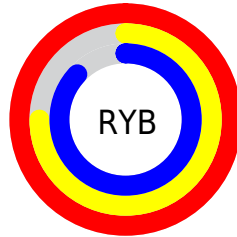
The YIQ color  $213.8440, 27.6430, 22.1630$  is a light color, and the websafe version is hex  $\text{FFCCFF}$ . A complement of this color would be  $232.1560, -27.6430, -22.1630$ , and the grayscale version is  $214.0000, -0.0000, 0.0000$ .

A 20% lighter version of the original color is  $251.4780, 1.6500, 3.1380$ , and  $158.8330, 26.1760, 21.2160$  is the 20% darker color. If you saturate the color by 10%, you get  $197.6870, 38.6910, 31.1950$ , and if you desaturate by 10%, it is  $230.1150, 16.2740, 13.4420$ .

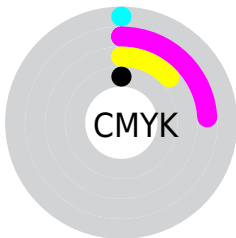
# Distribution



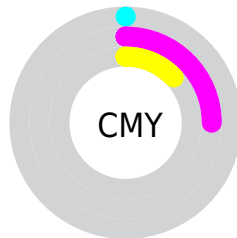
- Red (100%)
- Green (75%)
- Blue (87%)



- Red (100%)
- Yellow (75%)
- Blue (87%)



- Cyan (0%)
- Magenta (24%)
- Yellow (13%)
- Black (0%)




- Cyan (0%)
- Magenta (25%)
- Yellow (13%)


# Brightness & Saturation Gradients

These gradients show how the YIQ color 213.8440, 27.6430, 22.1630 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 213.8440, 27.6430, 22.1630 by changing the saturation by 10% instead.



 213.8440, 27.6430,  
22.1630


 213.8440, 27.6430,  
22.1630


255.0000, -0.0000,  
-0.0000


 186.1320, 26.7720,  
21.4280


 251.4780, 1.6500,  
3.1380

 158.8330, 26.1760,  
21.2160

 132.2350, 24.9840,  
20.7920

 106.5230, 24.1130,  
20.0570

 81.9250, 22.9210,  
19.6330

 57.9140, 21.4540,  
18.6860

 34.7290, 20.5370,

18.7850

■ 15.5930, 17.9240,  
16.5800

■ 0.2990, 0.5960,  
0.2120

■ 213.8440, 27.6430,  
22.1630

■ 213.8440, 27.6430,  
22.1630

■ 197.6870, 38.6910,  
31.1950

■ 230.1150, 16.2740,  
13.4420

■ 180.8290, 50.3350,  
40.4390

■ 246.8590, 4.9510,  
3.8870

■ 164.5580, 61.7040,  
49.1600

254.7010, -0.5960,  
-0.2120

■ 147.8140, 73.0270,  
58.7150

■ 131.5430, 84.3960,  
67.4360

■ 115.3860, 95.4440,  
76.4680

■ 98.5280, 107.0880,  
85.7120

■ 89.5120, 113.1850,  
90.8570

# Harmonies

## Analogous

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



213.4100, 5.4980, 21.5140



213.8440, 27.6430, 22.1630



210.5920, 36.8600, 14.8120

# Triad

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



213.8440, 27.6430, 22.1630



206.9580, 17.0130, -16.4830



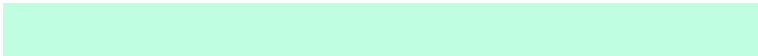
199.6310, -56.3010, -9.3970

# Complementary

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



213.8440, 27.6430, 22.1630



232.1560, -27.6430, -22.1630

# 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.



198.2860, -51.2560, -18.2320



213.8440, 27.6430, 22.1630



203.1060, -7.0110, -21.6270

# Square

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



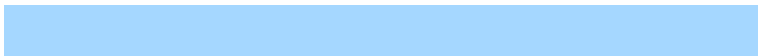
213.8440, 27.6430, 22.1630



209.1500, 34.3880, -6.4760



200.1170, -31.9070, -21.9790



204.6100, -42.6400, 1.8400



# Rectangle

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



213.8440, 27.6430, 22.1630



210.5290, 41.1710, 8.2670



200.1170, -31.9070, -21.9790



198.6370, -56.4380, -12.4220

# Sweetspot

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



213.8440, 27.6430, 22.1630



243.4080, 7.8390, 6.6150



208.6360, -0.8300, 26.0660



120.8590, 4.9510, 3.8870



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.



213.8440, 27.6430, 22.1630



207.1160, 32.8690, 26.5730



211.1250, 36.6770, 12.6210



119.5710, 5.8220, 4.6220



67.2550, 85.2670, 68.1710



22.5560, 28.5140, 22.8980



# Inverse Universe

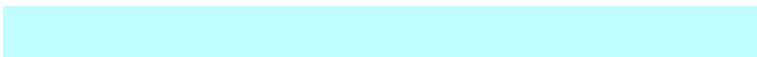
The Inverse Universe completely reimagines the original color for something new.



213.8440, 27.6430, 22.1630



207.1160, 32.8690, 26.5730



234.8750, -36.6770, -12.6210



119.5710, 5.8220, 4.6220



67.2550, 85.2670, 68.1710



22.5560, 28.5140, 22.8980



# Previews

## White Background



This preview shows how the YIQ color 213.8440, 27.6430, 22.1630 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

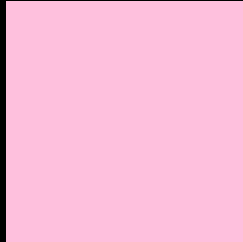
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the YIQ color 213.8440, 27.6430, 22.1630 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

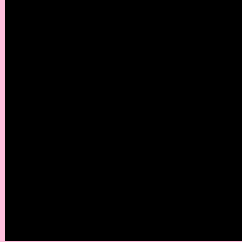
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

# YIQ 213.8440, 27.6430, 22.1630

## Background



This preview shows how black text looks on a background with the YIQ color 213.8440, 27.6430, 22.1630.



This preview shows how white text looks on a background with the YIQ color 213.8440, 27.6430,



# 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

213.8440, 27.6430, 22.1630

### Protanopia

210.3230, -7.9790, 6.9410

### Deuteranopia

211.7010, 8.5720, 9.8520



## Tritanopia

213.3510, 30.3490, 17.1730

# Trichromacy



## Original Color

213.8440, 27.6430, 22.1630



## Protanomaly

211.4280, 5.0870, 12.4390



## Deuteranomaly

212.4570, 15.3110, 14.3750



## Tritanomaly

213.2200, 29.3400, 18.9400

# Monochromacy



## Original Color

213.8440, 27.6430, 22.1630



## Achromatopsia

214.0000, -0.0000, 0.0000



## Achromatomaly

214.1310, 10.1770, 8.2970

# CSS Examples

## Text

The CSS property to change the color of the text to YIQ 213.8440, 27.6430, 22.1630 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(254, 192, 221)` looks like.

```
.text, #text, p{  
    color:rgb(254, 192, 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(254, 192, 221) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(254, 192, 221) }
```

## Border

The CSS property to change the border of an element to YIQ 213.8440, 27.6430, 22.1630 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(254, 192, 221) }
```



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

```
.border{ border-color:rgb(254, 192, 221) }
```

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

Here you see how a box with a 4 pixel `rgb(254, 192, 221)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(254, 192, 221); -webkit-box-  
shadow:4px 4px 4px 4px rgb(254, 192, 221);  
box-shadow:4px 4px 4px 4px rgb(254, 192,  
221) }
```

# Background

The CSS property to change the background color of an element to YIQ 213.8440, 27.6430, 22.1630 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(254, 192, 221) }
```

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

```
.background{ background-color: rgb(254,  
192, 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