

# Converting Colors

YIQ(90.7100, -22.0100, 13.4300)

Have a look what the booklet for  
YIQ(90.7100, -22.0100, 13.4300)  
contains.

<b>YIQ(90.7100, -22.0100, 13.4300)</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(90.7100, -22.0100,  
13.4300)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	4E588A
RGB	78, 88, 138
RGB Percent	31%, 35%, 54%
CMY	0.6941, 0.6549, 0.4589
CMYK	0.43, 0.36, 0.00, 0.46
HSL	230°, 28%, 42%
HSV	230°, 43%, 54%
XYZ	11.2172, 10.4340, 25.4553
YIQ	90.7100, -22.0100, 13.4300

# Conversions

## Conversions Part 2

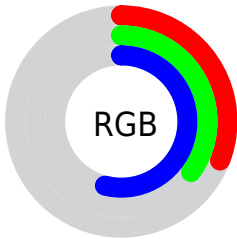
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	78, 87, 138
Decimal	5134474
CIE Lab	38.61, 9.87, -29.05
CIE LCh	39, 30.681, 288.758
Yxy	10.4340, 0.2381, 0.2215
Android (android.graphics.Color)	4283324554 (0xFF4E588A)
YUV	90.7100, 23.3140, -11.1467
Hunter-Lab	32.3017, 5.4588, -24.1122

# Details

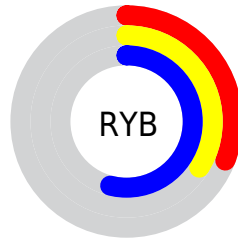
The YIQ color **90.7100, -22.0100, 13.4300** is a dark color, and the websafe version is hex **666699**. A complement of this color would be **125.2900, 22.0100, -13.4300**, and the grayscale version is **90.0000, -0.0000, -0.0000**.

A 20% lighter version of the original color is **141.7640, -22.1020, 15.0980**, and **43.3460, -23.9810, 10.6030** is the 20% darker color. If you saturate the color by 10%, you get **80.0670, -27.3290, 16.2150**, and if you desaturate by 10%, it is **101.9400, -16.9660, 10.1220**.

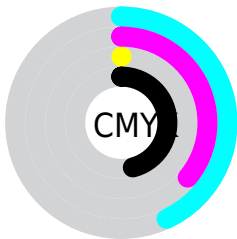
# Distribution



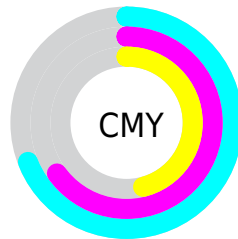
- Red (31%)
- Green (35%)
- Blue (54%)



- Red (31%)
- Yellow (34%)
- Blue (54%)



- Cyan (43%)
- Magenta (36%)
- Yellow (0%)
- Black (46%)



- Cyan (69%)
- Magenta (65%)
- Yellow (46%)

# Brightness & Saturation Gradients

These gradients show how the YIQ color 90.7100, -22.0100, 13.4300 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 90.7100, -22.0100, 13.4300 by changing the saturation by 10% instead.



■ 90.7100, -22.0100,  
13.4300

■ 90.7100, -22.0100,  
13.4300

■ 255.0000, -0.0000,  
-0.0000

■ 66.7700, -22.2390,  
12.0730

■ 141.7640,  
-22.1020, 15.0980

■ 43.3460, -23.9810,  
10.6030

■ 168.2910,  
-22.1480, 15.9320

■ 20.7970, -26.8690,  
7.8750

■ 195.4050,  
-22.4690, 16.2430

■ 4.7880, -13.4820,  
13.0620

■ 221.0110,  
-15.7280, 9.7120

■ 2.8670, -6.6950,  
5.6970

■ 246.1180, -6.1440,  
1.2160

■ 0.0000, 0.0000,  
0.0000

■ 90.7100, -22.0100,  
13.4300

■ 90.7100, -22.0100,  
13.4300

■ 80.0670, -27.3290,  
16.2150

■ 101.9400,  
-16.9660, 10.1220

■ 68.8370, -32.3730,  
19.5230

■ 112.5830,  
-11.6470, 7.3370

■ 58.4930, -37.0960,  
22.5200

■ 122.9270, -6.9240,  
4.3400

■ 47.2630, -42.1400,  
25.8280

■ 134.1570, -1.8800,  
1.0320

■ 36.6200, -47.4590,  
28.6130

■ 144.8000, 3.4390,  
-1.7530

■ 29.2330, -50.6230,  
30.8890

■ 156.0300, 8.4830,  
-5.0610

■ 166.6730, 13.8020,  
-7.8460

■ 177.6040, 18.2500,

-11.3660

■ 188.2470, 23.5690,  
-14.1510

# Harmonies

## Analogous

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



78.1780, -59.0990, -2.7390



90.7100, -22.0100, 13.4300



93.4100, 5.4980, 21.5140

# Triad

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



90.7100, -22.0100, 13.4300



90.5240, 39.5670, 4.2950



75.2620, -42.6810, -24.9610

# Complementary

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



90.7100, -22.0100, 13.4300



125.2900, 22.0100, -13.4300

# 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.



83.7360, -8.8450, -21.4290



90.7100, -22.0100, 13.4300



89.2420, 31.1330, -8.0590

# Square

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



90.7100, -22.0100, 13.4300



91.6030, 38.3270, 15.7590



87.1750, 14.9040, -16.8080



73.1320, -62.6260, -21.4260



# Rectangle

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



90.7100, -22.0100, 13.4300



93.2500, 20.6280, 22.6440



87.1750, 14.9040, -16.8080



79.1450, -29.1100, -23.1100

# Sweetspot

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



90.7100, -22.0100, 13.4300



160.0840, -8.8040, 5.3720



118.8060, -32.2290, -16.1410



77.7700, -5.0440, 3.3080



217.0000, -0.0000, 0.0000



89.0000, -0.0000, -0.0000



# Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



90.7100, -22.0100, 13.4300



105.4070, -33.9780, 21.0780



90.5210, -7.9360, 22.6880



63.3850, -2.5220, 1.6540



28.0760, -48.7430, 29.8570



1.1570, -1.8800, 1.0320



# Inverse Universe

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



97.0800, 32.5500, 15.8300



115.5170, 50.6130, 24.3810



125.4790, 7.9360, -22.6880



64.2070, 3.8510, 1.7950



42.2750, 72.2060, 35.0380

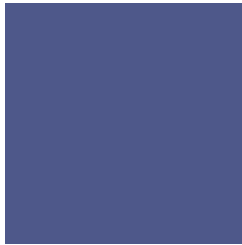


1.6090, 2.6590, 1.3710



# Previews

## White Background



This preview shows how the YIQ color 90.7100, -22.0100, 13.4300 looks on a white 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



# Black Background



This preview shows how the YIQ color 90.7100, -22.0100, 13.4300 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

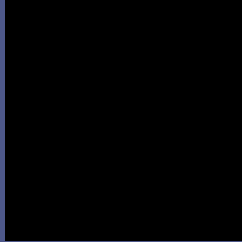
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

# YIQ 90.7100, -22.0100, 13.4300

## Background



This preview shows how black text looks on a background with the YIQ color 90.7100, -22.0100, 13.4300.



This preview shows how white text looks on a background with the YIQ color 90.7100, -22.0100,



# 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

90.7100, -22.0100, 13.4300

### Protanopia

89.9160, -25.5860, 12.1580

### Deuteranopia

89.0790, -27.6030, 10.1650



## Tritanopia

88.1380, -18.0640, -3.0240

# Trichromacy



## Original Color

90.7100, -22.0100, 13.4300

## Protanomaly

90.5140, -24.3940, 12.5820

## Deuteranomaly

89.3890, -25.5400, 11.3240

## Tritanomaly

88.7560, -19.6240, 3.2240

# Monochromacy



## Original Color

90.7100, -22.0100, 13.4300

## Achromatopsia

91.0000, -0.0000, -0.0000

## Achromatomaly

90.8560, -8.1620, 4.7500

# CSS Examples

## Text

The CSS property to change the color of the text to YIQ 90.7100, -22.0100, 13.4300 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(78, 88, 138)` looks like.

```
.text, #text, p{  
    color:rgb(78, 88, 138)  
}
```

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(78, 88, 138) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(78, 88, 138) }
```

## Border

The CSS property to change the border of an element to YIQ 90.7100, -22.0100, 13.4300 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(78, 88, 138) }
```



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

```
.border{ border-color:rgb(78, 88, 138) }
```

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

Here you see how a box with a 4 pixel rgb(78, 88, 138) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(78, 88, 138); -webkit-box-  
shadow:4px 4px 4px 4px rgb(78, 88, 138);  
box-shadow:4px 4px 4px 4px rgb(78, 88,  
138) }
```

# Background

The CSS property to change the background color of an element to YIQ 90.7100, -22.0100, 13.4300 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(78, 88, 138) }
```

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

```
.background{ background-color: rgb(78, 88,  
138) }
```

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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