

# Converting Colors

YIQ(136.6450, 21.3140, 32.2420)

Have a look what the booklet for  
YIQ(136.6450, 21.3140, 32.2420)  
contains.

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# Color

**YIQ(136.6450, 21.3140,  
32.2420)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	<a href="#">B16EA8</a>
RGB	<a href="#">177, 110, 168</a>
RGB Percent	<a href="#">69%, 43%, 66%</a>
CMY	<a href="#">0.3057, 0.5687, 0.3411</a>
<a href="#">CMYK</a>	<a href="#">0.00, 0.38, 0.05, 0.31</a>
HSL	<a href="#">308°, 30%, 56%</a>
HSV	<a href="#">308°, 38%, 69%</a>
XYZ	<a href="#">30.7846, 23.3263, 39.9306</a>
YIQ	<a href="#">136.6450, 21.3140, 32.2420</a>

# Conversions

## Conversions Part 2

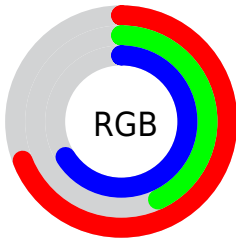
<b>Format</b>	<b>Color</b>
<b>RYB</b>	177, 110, 168
Decimal	11628200
CIELab	55.41, 35.59, -20.04
CIELCh	55, 40.842, 330.613
Yxy	23.3263, 0.3274, 0.2480
Android (android.graphics.Color)	4289818280 (0xFFB16EA8)
YUV	136.6450, 15.4580, 35.3913
Hunter-Lab	48.2973, 29.2550, -15.2109

# Details

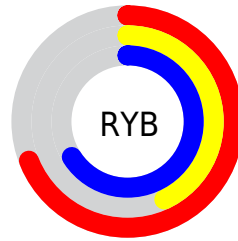
The YIQ color **136.6450, 21.3140, 32.2420** is a light color, and the websafe version is hex **996699**. A complement of this color would be **150.3550, -21.3140, -32.2420**, and the grayscale version is **136.0000, -0.0000, 0.0000**.

A 20% lighter version of the original color is **191.0690, 23.0560, 33.7120**, and **85.2210, 19.5720, 30.7720** is the 20% darker color. If you saturate the color by 10%, you get **125.8510, 26.9060, 41.0340**, and if you desaturate by 10%, it is **147.4390, 15.7220, 23.4500**.

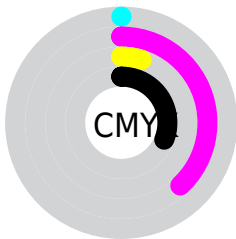
# Distribution



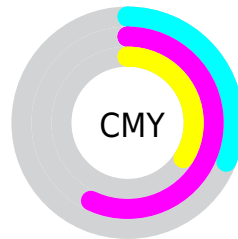
- Red (69%)
- Green (43%)
- Blue (66%)



- Red (69%)
- Yellow (43%)
- Blue (66%)



- Cyan (0%)
- Magenta (38%)
- Yellow (5%)
- Black (31%)




- Cyan (31%)
- Magenta (57%)
- Yellow (34%)


# Brightness & Saturation Gradients

These gradients show how the YIQ color 136.6450, 21.3140, 32.2420 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 136.6450, 21.3140, 32.2420 by changing the saturation by 10% instead.





 136.6450, 21.3140,  
32.2420


 136.6450, 21.3140,  
32.2420


255.0000, -0.0000,  
-0.0000


 110.8190, 20.7640,  
31.1960


 191.0690, 23.0560,  
33.7120

 85.2210, 19.5720,  
30.7720


 216.5030, 18.8380,  
33.0620


 60.5090, 18.7010,  
30.0370

 233.2810, 10.1750,  
19.3510

 34.4490, 18.9300,  
31.3940

 250.3040, 2.2000,  
4.1840

 19.4820, 14.1630,  
24.1710

 9.3140, 5.4080,  
12.1280

 0.0000, 0.0000,

0.0000

136.6450, 21.3140,  
32.2420

136.6450, 21.3140,  
32.2420

125.8510, 26.9060,  
41.0340

147.4390, 15.7220,  
23.4500

115.5300, 32.5440,  
48.9920

157.7600, 10.0840,  
15.4920

104.7360, 38.1360,  
57.7840

168.5540, 4.4920,  
6.7000

93.8280, 44.0490,  
66.2650

179.4620, -1.4210,  
-1.7810

83.0340, 49.6410,  
75.0570

190.2560, -7.0130,  
-10.5730

72.8270, 54.9580,  
83.3260

200.4630,  
-12.3300, -18.8420

70.3650, 56.3790,  
85.1070

211.3710,  
-18.2430, -27.3230

222.1650,  
-23.8350, -36.1150

224.1540,  
-25.3020, -37.0620

# Harmonies

## Analogous

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



134.9810, -15.0430, 24.8370



136.6450, 21.3140, 32.2420



134.5260, 46.3940, 29.2580

# Triad

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



136.6450, 21.3140, 32.2420



129.4840, 35.9030, -17.4170



107.2020, -95.1780, -26.2020

# Complementary

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



136.6450, 21.3140, 32.2420



150.3550, -21.3140, -32.2420

# 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.



103.6850, -83.8970, -37.9210



136.6450, 21.3140, 32.2420



125.6160, 8.8080, -27.4800

# Square

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



136.6450, 21.3140, 32.2420



131.4790, 52.6350, -1.2610



119.4620, -28.9250, -31.9730



107.2310, -102.1490, -15.5010



# Rectangle

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



136.6450, 21.3140, 32.2420



133.3880, 55.2900, 22.2180



119.4620, -28.9250, -31.9730



106.4210, -91.6010, -30.4570

# Sweetspot

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



136.6450, 21.3140, 32.2420



214.2820, 8.4340, 12.3540



120.3290, -16.1430, 22.7450



105.9670, 4.7670, 7.2230



242.0000, -0.0000, 0.0000



115.0000, -0.0000, 0.0000



# Same Dimension

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



136.6450, 21.3140, 32.2420



167.3560, 33.0940, 50.0380



132.8830, 31.9070, 21.9790



83.6030, 2.7960, 4.3960



60.7950, 48.8160, 73.4880



10.2820, 8.4340, 12.3540



# Inverse Universe

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



136.6450, 21.3140, 32.2420



167.3560, 33.0940, 50.0380



154.1170, -31.9070, -21.9790



83.6030, 2.7960, 4.3960



60.7950, 48.8160, 73.4880

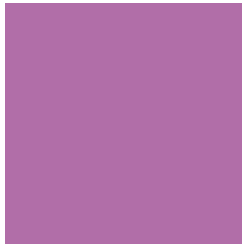


10.2820, 8.4340, 12.3540



# Previews

## White Background



This preview shows how the YIQ color 136.6450, 21.3140, 32.2420 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 136.6450, 21.3140, 32.2420 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

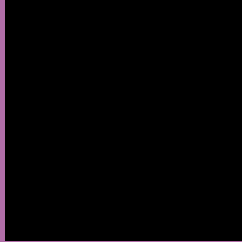
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

# YIQ 136.6450, 21.3140, 32.2420

## Background



This preview shows how black text looks on a background with the YIQ color 136.6450, 21.3140, 32.2420.



This preview shows how white text looks on a background with the YIQ color 136.6450, 21.3140,



# 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

136.6450, 21.3140, 32.2420

### Protanopia

132.8560, -25.3570, 13.5150

### Deuteranopia

133.8760, -10.9140, 10.5740



## Tritanopia

135.1720, 29.2950, 14.2470

# Trichromacy



## Original Color

136.6450, 21.3140, 32.2420

## Protanomaly

134.0540, -8.1190, 20.4970

## Deuteranomaly

134.9640, 0.8220, 18.1500

## Tritanomaly

135.7190, 26.4970, 20.9050

# Monochromacy



## Original Color

136.6450, 21.3140, 32.2420

## Achromatopsia

137.0000, -0.0000, 0.0000

## Achromatomaly

136.8690, 8.1590, 11.8310

# CSS Examples

## Text

The CSS property to change the color of the text to YIQ 136.6450, 21.3140, 32.2420 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(177, 110, 168)` looks like.

```
.text, #text, p{  
    color:rgb(177, 110, 168)  
}
```

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(177, 110, 168) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(177, 110, 168) }
```

## Border

The CSS property to change the border of an element to YIQ 136.6450, 21.3140, 32.2420 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".

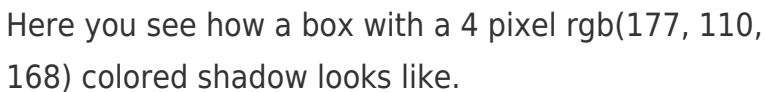
```
.border, #border, table{ border:4px solid rgb(177, 110, 168) }
```



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

```
.border{ border-color:rgb(177, 110, 168) }
```

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



Here you see how a box with a 4 pixel `rgb(177, 110, 168)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(177, 110, 168); -webkit-box-shadow:4px 4px 4px 4px rgb(177, 110, 168); box-shadow:4px 4px 4px 4px rgb(177, 110, 168) }
```

# Background

The CSS property to change the background color of an element to YIQ 136.6450, 21.3140, 32.2420 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(177, 110, 168) }
```

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

```
.background{ background-color: rgb(177,  
110, 168) }
```

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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