

# Converting Colors

YIQ(152.5940, 0.1290, 47.2410)

Have a look what the booklet for  
YIQ(152.5940, 0.1290, 47.2410)  
contains.

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# Color

**YIQ(152.5940, 0.1290,  
47.2410)**

# Conversions

## Conversions Part 1

Format	Color
Hex	B67AE9
RGB	182, 122, 233
RGB Percent	71%, 48%, 91%
CMY	0.2861, 0.5217, 0.0864
CMYK	0.22, 0.48, 0.00, 0.09
HSL	272°, 72%, 70%
HSV	272°, 48%, 91%
XYZ	40.9655, 29.7466, 80.6570
YIQ	152.5940, 0.1290, 47.2410

# Conversions

## Conversions Part 2

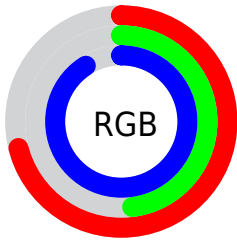
Format	Color
R <sub>Y</sub> B	182, 122, 233
Decimal	11959017
CIE Lab	61.43, 43.91, -47.45
CIE LCh	61, 64.656, 312.781
Yxy	29.7466, 0.2706, 0.1965
Android (android.graphics.Color)	4290149097 (0xFFB67AE9)
YUV	152.5940, 39.6402, 25.7891
Hunter-Lab	54.5404, 38.6263, -49.5027

# Details

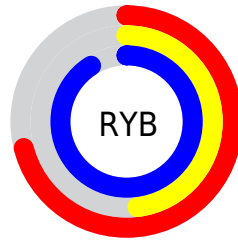
The YIQ color **152.5940, 0.1290, 47.2410** is a light color, and the websafe version is hex **9966CC**. A complement of this color would be **202.4060, -0.1290, -47.2410**, and the grayscale version is **152.0000, -0.0000, -0.0000**.

A 20% lighter version of the original color is **204.1420, 12.7850, 38.1370**, and **99.5290, -1.2460, 44.6260** is the 20% darker color. If you saturate the color by 10%, you get **135.8040, -0.1020, 56.9380**, and if you desaturate by 10%, it is **169.3840, 0.3600, 37.5440**.

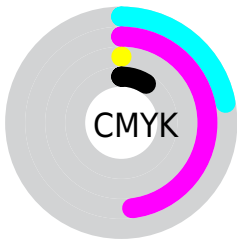
# Distribution



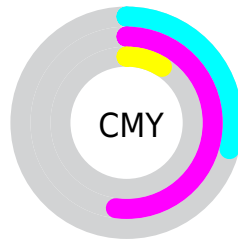
- Red (71%)
- Green (48%)
- Blue (91%)



- Red (71%)
- Yellow (48%)
- Blue (91%)



- Cyan (22%)
- Magenta (48%)
- Yellow (0%)
- Black (9%)



- Cyan (29%)
- Magenta (52%)
- Yellow (9%)

# Brightness & Saturation Gradients

These gradients show how the YIQ color 152.5940, 0.1290, 47.2410 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 152.5940, 0.1290, 47.2410 by changing the saturation by 10% instead.



152.5940, 0.1290,  
47.2410

152.5940, 0.1290,  
47.2410

255.0000, -0.0000,  
-0.0000

125.6540, -0.1000,  
45.8840

204.1420, 12.7850,  
38.1370

99.5290, -1.2460,  
44.6260

225.0630, 14.0250,  
26.6730

73.7030, -1.7960,  
43.5800

241.4990, 6.3250,  
12.0290

48.1760, -1.7500,  
42.7460

24.9260, -4.0420,  
40.2300

14.6010, -10.9170,  
27.1550

5.7000, -16.0500,

15.5500

■ 3.7790, -9.2630,  
8.1850

■ 0.0000, 0.0000,  
0.0000

■ 152.5940, 0.1290,  
47.2410

■ 152.5940, 0.1290,  
47.2410

■ 135.8040, -0.1020,  
56.9380

■ 169.3840, 0.3600,  
37.5440

■ 118.7260, 0.5380,  
67.3700

■ 186.4620, -0.2800,  
27.1120

■ 101.9360, 0.3070,  
77.0670

■ 203.2520, -0.0490,  
17.4150

■ 85.1460, 0.0760,  
86.7640

■ 220.0420, 0.1820,  
7.7180

■ 68.0680, 0.7160,  
97.1960

■ 236.5330, -0.1830,  
-2.1910

■ 64.2360, 0.3030,  
99.1750

■ 249.8010, 1.6980,  
-8.7500

■ 252.4920, 7.0620,  
-6.8420

# Harmonies

## Analogous

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



137.1860, -78.7720, 17.9000



152.5940, 0.1290, 47.2410



148.4680, 53.4500, 55.5780

# Triad

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



152.5940, 0.1290, 47.2410



142.1450, 76.3420, -17.9140



122.3330, -103.3370, -38.0330

# Complementary

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



152.5940, 0.1290, 47.2410



202.4060, -0.1290, -47.2410

# 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.



114.3190, -83.5270, -55.6470



152.5940, 0.1290, 47.2410



137.1110, 46.1780, -43.9500

# Square

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



152.5940, 0.1290, 47.2410



143.7660, 89.0360, 16.3640



130.5510, -10.9030, -50.2230



127.2010, -119.8000, -20.5040



# Rectangle

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



152.5940, 0.1290, 47.2410



144.3980, 76.8340, 50.2900



130.5510, -10.9030, -50.2230



120.0530, -96.9170, -44.2530

# Sweetspot

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



152.5940, 0.1290, 47.2410



229.0840, 0.3640, 15.4360



165.1780, -49.9310, 7.3250



112.0960, 0.0900, 9.3860



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.



152.5940, 0.1290, 47.2410



149.8520, -0.0570, 61.6310



167.3870, 31.8090, 56.8090



109.0480, 0.0450, 4.6930



49.9360, 0.3070, 77.0670



14.8270, -0.0500, 22.9420



# Inverse Universe

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



161.0030, 49.7850, 39.3930



160.8790, 65.2340, 51.2660



187.6130, -31.8090, -56.8090



109.8590, 4.9510, 3.8870



63.5810, 81.2330, 64.1850

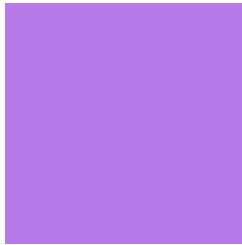


18.9960, 24.1590, 19.2230



# Previews

## White Background



This preview shows how the YIQ color 152.5940, 0.1290, 47.2410 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

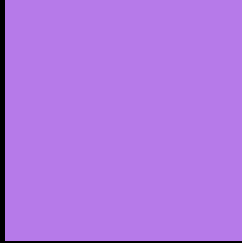
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the YIQ color 152.5940, 0.1290, 47.2410 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

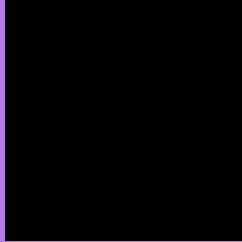
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

# YIQ 152.5940, 0.1290, 47.2410

## Background



This preview shows how black text looks on a background with the YIQ color 152.5940, 0.1290, 47.2410.



This preview shows how white text looks on a background with the YIQ color 152.5940, 0.1290,



# 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

152.5940, 0.1290, 47.2410

### Protanopia

144.2700, -61.2130, 24.5710

### Deuteranopia

145.4590, -48.9240, 16.6120



## Tritanopia

150.3270, 12.5610, 9.1450

# Trichromacy



## Original Color

152.5940, 0.1290, 47.2410



## Protanomaly

147.3330, -39.1610, 32.4150



## Deuteranomaly

148.4770, -30.9990, 27.6650



## Tritanomaly

151.0190, 8.1570, 22.8850

# Monochromacy



## Original Color

152.5940, 0.1290, 47.2410



## Achromatopsia

153.0000, 0.0000, -0.0000



## Achromatomaly

153.1380, 0.2720, 17.1040

# CSS Examples

## Text

The CSS property to change the color of the text to YIQ 152.5940, 0.1290, 47.2410 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(182, 122, 233)` looks like.

```
.text, #text, p{  
    color:rgb(182, 122, 233)  
}
```

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(182, 122, 233) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(182, 122, 233) }
```

## Border

The CSS property to change the border of an element to YIQ 152.5940, 0.1290, 47.2410 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(182, 122, 233) }
```



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

```
.border{ border-color:rgb(182, 122, 233) }
```

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

Here you see how a box with a 4 pixel `rgb(182, 122, 233)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(182, 122, 233); -webkit-box-  
shadow:4px 4px 4px 4px rgb(182, 122, 233);  
box-shadow:4px 4px 4px 4px rgb(182, 122,  
233) }
```

# Background

The CSS property to change the background color of an element to YIQ 152.5940, 0.1290, 47.2410 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(182, 122, 233) }
```

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

```
.background{ background-color: rgb(182,  
122, 233) }
```

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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