

# Converting Colors

YIQ(148.7950, -5.0510, 41.9970)

Have a look what the booklet for  
YIQ(148.7950, -5.0510, 41.9970)  
contains.

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# Color

**YIQ(148.7950, -5.0510,  
41.9970)**

# Conversions

## Conversions Part 1

Format	Color
Hex	AA7BE2
RGB	170, 123, 226
RGB Percent	67%, 48%, 89%
CMY	0.3331, 0.5177, 0.1138
CMYK	0.25, 0.46, 0.00, 0.11
HSL	267°, 64%, 68%
HSV	267°, 46%, 89%
XYZ	37.3918, 28.2017, 75.4059
YIQ	148.7950, -5.0510, 41.9970

# Conversions

## Conversions Part 2

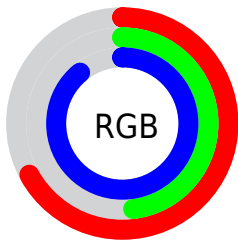
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	170, 123, 226
Decimal	11172834
CIE <sub>Lab</sub>	60.07, 38.48, -45.79
CIE <sub>LCh</sub>	60, 59.811, 310.039
Yxy	28.2017, 0.2652, 0.2000
Android (android.graphics.Color)	4289362914 (0xFFAA7BE2)
YUV	148.7950, 38.0621, 18.5968
Hunter-Lab	53.1053, 32.7487, -47.0141

# Details

The YIQ color **148.7950, -5.0510, 41.9970** is a light color, and the websafe version is hex **9966CC**. A complement of this color would be **200.2050, 5.0510, -41.9970**, and the grayscale version is **148.0000, -0.0000, 0.0000**.

A 20% lighter version of the original color is **200.2550, 5.0370, 35.3810**, and **96.6160, -6.1050, 39.0710** is the 20% darker color. If you saturate the color by 10%, you get **131.7060, -5.8780, 51.4820**, and if you desaturate by 10%, it is **165.8840, -4.2240, 32.5120**.

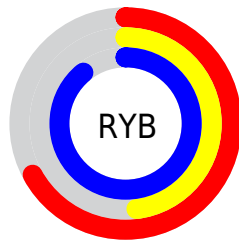
# Distribution



Red (67%)

Green (48%)

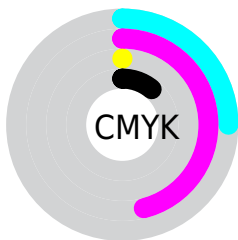
Blue (89%)



Red (67%)

Yellow (48%)

Blue (89%)

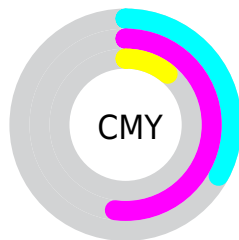


Cyan (25%)

Magenta (46%)

Yellow (0%)

Black (11%)



Cyan (33%)

Magenta (52%)

Yellow (11%)

# Brightness & Saturation Gradients

These gradients show how the YIQ color 148.7950, -5.0510, 41.9970 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 148.7950, -5.0510, 41.9970 by changing the saturation by 10% instead.



■ 148.7950, -5.0510,  
41.9970

■ 148.7950, -5.0510,  
41.9970

255.0000, -0.0000,  
-0.0000

■ 121.9690, -5.6010,  
40.9510

■ 200.2550, 5.0370,  
35.3810

■ 96.6160, -6.1050,  
39.0710

■ 225.0630, 14.0250,  
26.6730

■ 71.3770, -6.9300,  
37.5020

■ 242.0860, 6.0500,  
11.5060

■ 46.5510, -7.4800,  
36.4560

■ 21.5400, -8.9470,  
35.5090

■ 11.3400, -14.6760,  
23.6920

■ 6.7770, -14.9490,

12.1150

■ 3.2090, -7.6580,  
6.6300

■ 0.0000, 0.0000,  
0.0000

■ 148.7950, -5.0510,  
41.9970

■ 148.7950, -5.0510,  
41.9970

■ 131.7060, -5.8780,  
51.4820

■ 165.8840, -4.2240,  
32.5120

■ 115.2040, -6.9800,  
60.4440

■ 182.6850, -2.5260,  
23.7620

■ 97.8160, -8.4030,  
69.7170

■ 199.7740, -1.6990,  
14.2770

■ 81.3140, -9.5050,  
78.6790

■ 216.2760, -0.5970,  
5.3150

■ 64.2250, -10.3320,  
88.1640

■ 233.3650, 0.2300,  
-4.1700

■ 56.5610, -11.1580,  
92.1220

■ 248.4050, 2.7530,  
-11.3510

■ 251.6940, 9.3090,  
-9.0190

# Harmonies

## Analogous

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



133.2350, -80.4680, 15.5960



148.7950, -5.0510, 41.9970



146.1140, 45.5190, 50.6310

# Triad

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



148.7950, -5.0510, 41.9970



140.0830, 70.8850, -12.6270



118.2580, -98.7520, -38.5280

# Complementary

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



148.7950, -5.0510, 41.9970



200.2050, 5.0510, -41.9970

# 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.



110.2270, -80.2720, -54.0640



148.7950, -5.0510, 41.9970



136.1850, 43.3340, -36.4580

# Square

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



148.7950, -5.0510, 41.9970



141.4710, 82.6170, 17.0570



129.8340, -4.2100, -44.8660



122.6700, -113.9310, -22.2430



# Rectangle

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



148.7950, -5.0510, 41.9970



142.7990, 68.2150, 46.7990



129.8340, -4.2100, -44.8660



116.0920, -92.6530, -44.4370

# Sweetspot

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



148.7950, -5.0510, 41.9970



228.1870, -1.4240, 14.8000



168.2010, -48.7380, 2.2220



111.4980, -1.1020, 8.9620



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.



148.7950, -5.0510, 41.9970



150.0960, -6.7960, 57.1080



164.0440, 25.3450, 52.8090



103.7490, -0.5510, 4.4810



43.9840, -8.8160, 71.6960



12.0500, -2.2960, 19.5920



# Inverse Universe

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



160.1810, 43.4120, 39.2520



165.5240, 59.0440, 53.3160



184.9560, -25.3450, -52.8090



104.9730, 4.6300, 4.1980



63.5680, 74.0800, 67.1680



17.3160, 20.2620, 18.2620



# Previews

## White Background



This preview shows how the YIQ color 148.7950, -5.0510, 41.9970 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

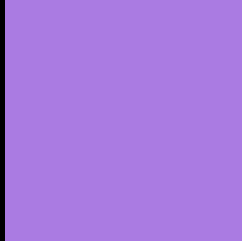
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the YIQ color 148.7950, -5.0510, 41.9970 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 148.7950, -5.0510, 41.9970

## Background



This preview shows how black text looks on a background with the YIQ color 148.7950, -5.0510, 41.9970.



This preview shows how white text looks on a background with the YIQ color 148.7950, -5.0510,



# 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

148.7950, -5.0510, 41.9970

### Protanopia

141.8530, -55.6650, 23.1430

### Deuteranopia

141.8290, -47.0900, 16.4140



## Tritanopia

146.3370, 6.6010, 7.0250

# Trichromacy



## Original Color

148.7950, -5.0510, 41.9970

## Protanomaly

144.2360, -37.5100, 30.0260

## Deuteranomaly

144.1240, -31.5030, 25.7850

## Tritanomaly

147.3880, 2.5640, 19.6200

# Monochromacy



## Original Color

148.7950, -5.0510, 41.9970

## Achromatopsia

149.0000, 0.0000, -0.0000

## Achromatomaly

149.3010, -1.7450, 15.1110

# CSS Examples

## Text

The CSS property to change the color of the text to YIQ 148.7950, -5.0510, 41.9970 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(170, 123, 226)` looks like.

```
.text, #text, p{  
    color:rgb(170, 123, 226)  
}
```

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(170, 123, 226) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(170, 123, 226) }
```

## Border

The CSS property to change the border of an element to YIQ 148.7950, -5.0510, 41.9970 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(170, 123, 226) }
```



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

```
.border{ border-color:rgb(170, 123, 226) }
```

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

Here you see how a box with a 4 pixel `rgb(170, 123, 226)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(170, 123, 226); -webkit-box-  
shadow:4px 4px 4px 4px rgb(170, 123, 226);  
box-shadow:4px 4px 4px 4px rgb(170, 123,  
226) }
```

# Background

The CSS property to change the background color of an element to YIQ 148.7950, -5.0510, 41.9970 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(170, 123, 226) }
```

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

```
.background{ background-color: rgb(170,  
123, 226) }
```

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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