

# Converting Colors

YIQ(153.8470, 41.8970, 50.1930)

Have a look what the booklet for  
YIQ(153.8470, 41.8970, 50.1930)  
contains.

<b>YIQ(153.8470, 41.8970, 50.1930)</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(153.8470, 41.8970,  
50.1930)**

# Conversions

## Conversions Part 1

Format	Color
Hex	E16EC1
RGB	225, 110, 193
RGB Percent	88%, 43%, 76%
CMY	0.1173, 0.5688, 0.2430
CMYK	0.00, 0.51, 0.14, 0.12
HSL	317°, 66%, 66%
HSV	317°, 51%, 88%
XYZ	46.2765, 31.0138, 54.0145
YIQ	153.8470, 41.8970, 50.1930

# Conversions

## Conversions Part 2

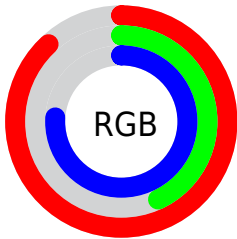
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	225, 110, 193
Decimal	14773953
CIE Lab	62.52, 54.90, -22.95
CIE LCh	63, 59.505, 337.318
Yxy	31.0138, 0.3524, 0.2362
Android (android.graphics.Color)	4292964033 (0xFFE16EC1)
YUV	153.8470, 19.3024, 62.4012
Hunter-Lab	55.6900, 50.8698, -18.5232

# Details

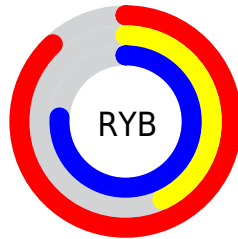
The YIQ color **153.8470, 41.8970, 50.1930** is a light color, and the websafe version is hex **CC66CC**. A complement of this color would be **181.1530, -41.8970, -50.1930**, and the grayscale version is **154.0000, -0.0000, -0.0000**.

A 20% lighter version of the original color is **201.6000, 26.3550, 45.5150**, and **98.0640, 39.7880, 49.8680** is the 20% darker color. If you saturate the color by 10%, you get **139.6620, 50.1480, 60.3560**, and if you desaturate by 10%, it is **167.4450, 33.9210, 40.5530**.

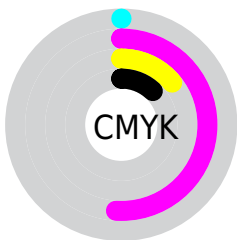
# Distribution



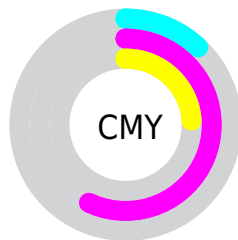
- Red (88%)
- Green (43%)
- Blue (76%)



- Red (88%)
- Yellow (43%)
- Blue (76%)



- Cyan (0%)
- Magenta (51%)
- Yellow (14%)
- Black (12%)



- Cyan (12%)
- Magenta (57%)
- Yellow (24%)

# Brightness & Saturation Gradients

These gradients show how the YIQ color 153.8470, 41.8970, 50.1930 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 153.8470, 41.8970, 50.1930 by changing the saturation by 10% instead.




 153.8470, 41.8970,  
50.1930


 153.8470, 41.8970,  
50.1930


255.0000, -0.0000,  
-0.0000

 126.2490, 40.7050,  
49.7690


 201.6000, 26.3550,  
45.5150

 98.0640, 39.7880,  
49.8680


 218.6060, 17.0500,  
32.4260


 68.0580, 39.9250,  
52.8930

 235.6290, 9.0750,  
17.2590

 43.6340, 38.1830,  
51.4230

 253.2390, 0.8250,  
1.5690

 32.8250, 29.7950,  
38.2350

 22.8420, 21.9570,  
26.0930

 11.9620, 12.3310,

13.3150

■ 0.0000, 0.0000,  
0.0000

■ 153.8470, 41.8970,  
50.1930

■ 153.8470, 41.8970,  
50.1930

■ 139.6620, 50.1480,  
60.3560

■ 167.4450, 33.9210,  
40.5530

■ 125.9500, 58.4450,  
69.6850

■ 181.7440, 25.3490,  
30.7010

■ 111.7650, 66.6960,  
79.8480

■ 195.3420, 17.3730,  
21.0610

■ 98.1670, 74.6720,  
89.4880

■ 209.5270, 9.1220,  
10.8980

■ 85.7430, 82.0980,  
98.0820

■ 223.1250, 1.1460,  
1.2580

■ 237.4240, -7.4260,  
-8.5940

■ 243.9780,  
-12.1020, -11.9580

■ 244.6620,  
-14.0280, -10.0920

■ 245.3460,  
-15.9540, -8.2260

# Harmonies

## Analogous

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



155.2180, -10.7360, 40.4000



153.8470, 41.8970, 50.1930



149.1000, 74.4970, 43.0810

# Triad

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



153.8470, 41.8970, 50.1930



143.6200, 46.5430, -34.0410



127.1210, -116.8190, -24.9710

# Complementary

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



153.8470, 41.8970, 50.1930



181.1530, -41.8970, -50.1930

# 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.



122.4810, -100.9980, -41.8780



153.8470, 41.8970, 50.1930



137.5850, 0.9250, -44.3150

# Square

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



153.8470, 41.8970, 50.1930



147.4470, 72.8560, -9.8000



114.4500, -82.5180, -57.4140



126.8880, -125.8080, -10.7360



# Rectangle

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



153.8470, 41.8970, 50.1930



148.1480, 82.5690, 28.9450



114.4500, -82.5180, -57.4140



125.8840, -111.9580, -30.4700

# Sweetspot

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



153.8470, 41.8970, 50.1930



231.4400, 13.9810, 16.4530



132.3790, -18.4390, 42.3370



113.7010, 8.5720, 9.8520



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.



153.8470, 41.8970, 50.1930



158.5260, 56.7030, 68.2150



147.4630, 59.8730, 32.7770



105.2010, 3.9880, 4.8200



67.1020, 64.1290, 76.8090



18.3420, 17.3730, 21.0610



# Inverse Universe

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



153.8470, 41.8970, 50.1930



158.5260, 56.7030, 68.2150



187.5370, -59.8730, -32.7770



105.2010, 3.9880, 4.8200



67.1020, 64.1290, 76.8090



18.3420, 17.3730, 21.0610



# Previews

## White Background



This preview shows how the YIQ color 153.8470, 41.8970, 50.1930 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

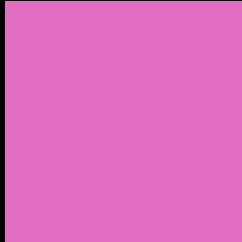
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the YIQ color 153.8470, 41.8970, 50.1930 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

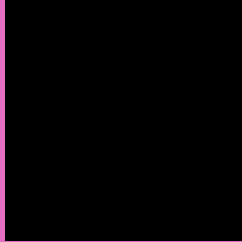
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

# YIQ 153.8470, 41.8970, 50.1930

## Background



This preview shows how black text looks on a background with the YIQ color 153.8470, 41.8970, 50.1930.



This preview shows how white text looks on a background with the YIQ color 153.8470, 41.8970,



# 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

153.8470, 41.8970, 50.1930

### Protanopia

150.8580, -36.8660, 18.3500

### Deuteranopia

152.7450, -11.9230, 12.3410



## Tritanopia

152.7300, 54.3270, 23.1510

# Trichromacy



## Original Color

153.8470, 41.8970, 50.1930



## Protanomaly

152.1500, -8.0290, 29.8830



## Deuteranomaly

153.1270, 7.9730, 26.2210



## Tritanomaly

152.9010, 49.8320, 33.0320

# Monochromacy



## Original Color

153.8470, 41.8970, 50.1930



## Achromatopsia

154.0000, -0.0000, -0.0000



## Achromatomaly

153.9780, 15.4020, 18.2340

# CSS Examples

## Text

The CSS property to change the color of the text to YIQ 153.8470, 41.8970, 50.1930 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(225, 110, 193)` looks like.

```
.text, #text, p{  
    color:rgb(225, 110, 193)  
}
```

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(225, 110, 193) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(225, 110, 193) }
```

## Border

The CSS property to change the border of an element to YIQ 153.8470, 41.8970, 50.1930 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(225, 110, 193) }
```



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

```
.border{ border-color:rgb(225, 110, 193) }
```

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

Here you see how a box with a 4 pixel `rgb(225, 110, 193)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(225, 110, 193); -webkit-box-  
shadow:4px 4px 4px 4px rgb(225, 110, 193);  
box-shadow:4px 4px 4px 4px rgb(225, 110,  
193) }
```

# Background

The CSS property to change the background color of an element to YIQ 153.8470, 41.8970, 50.1930 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(225, 110, 193) }
```

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

```
.background{ background-color: rgb(225,  
110, 193) }
```

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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