

Converting Colors

YIQ(163.8720, 49.9170, 70.0530)

Have a look what the booklet for
YIQ(163.8720, 49.9170, 70.0530)
contains.

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Color

**YIQ(163.8720, 49.9170,
70.0530)**

Conversions

Conversions Part 1

Format	Color
Hex	FF69E4
RGB	255, 105, 228
RGB Percent	100%, 41%, 89%
CMY	0.0000, 0.5885, 0.1058
CMYK	0.00, 0.59, 0.11, 0.00
HSL	311°, 100%, 71%
HSV	311°, 59%, 100%
XYZ	60.2924, 36.9533, 77.3728
YIQ	163.8720, 49.9170, 70.0530

Conversions

Conversions Part 2

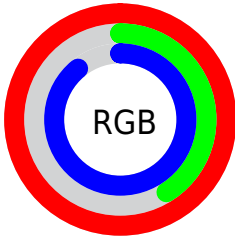
Format	Color
R_{YB}	255, 105, 228
Decimal	16738788
CIE _{Lab}	67.24, 70.81, -34.95
CIE _{LCh}	67, 78.969, 333.729
Yxy	36.9533, 0.3453, 0.2116
Android (android.graphics.Color)	4294928868 (0xFFFF69E4)
YUV	163.8720, 31.6151, 79.9193
Hunter-Lab	60.7892, 70.6602, -32.9122

Details

The YIQ color **163.8720, 49.9170, 70.0530** is a light color, and the websafe version is hex **FF66CC**. A complement of this color would be **196.1280, -49.9170, -70.0530**, and the grayscale version is **163.0000, -0.0000, -0.0000**.

A 20% lighter version of the original color is **200.9960, 25.3000, 48.1160**, and **101.9800, 49.7330, 73.3890** is the 20% darker color. If you saturate the color by 10%, you get **148.0400, 58.6720, 82.0960**, and if you desaturate by 10%, it is **179.1170, 41.4370, 58.5330**.

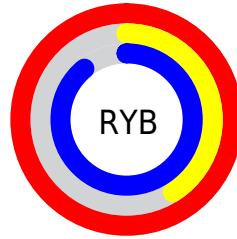
Distribution



Red (100%)

Green (41%)

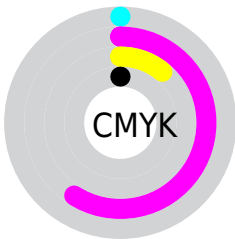
Blue (89%)



Red (100%)

Yellow (41%)

Blue (89%)

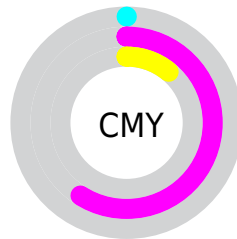


Cyan (0%)

Magenta (59%)

Yellow (11%)

Black (0%)



Cyan (0%)

Magenta (59%)

Yellow (11%)

Brightness & Saturation Gradients

These gradients show how the YIQ color 163.8720, 49.9170, 70.0530 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 163.8720, 49.9170, 70.0530 by changing the saturation by 10% instead.

163.8720, 49.9170,
70.0530

163.8720, 49.9170,
70.0530

255.0000, -0.0000,
-0.0000

134.1000, 49.2750,
70.6750

200.9960, 25.3000,
48.1160

101.9800, 49.7330,
73.3890

218.0190, 17.3250,
32.9490

66.1640, 52.3910,
80.2870

235.6290, 9.0750,
17.2590

54.5290, 43.4530,
66.0530

253.2390, 0.8250,
1.5690

43.3070, 34.7900,
52.3420

32.1990, 25.8060,
38.9420

21.8030, 17.6930,

26.2770

■ 9.4280, 5.0870,
12.4390

■ 0.0000, 0.0000,
0.0000

■ 163.8720, 49.9170,
70.0530

■ 163.8720, 49.9170,
70.0530

■ 148.0400, 58.6720,
82.0960

■ 179.1170, 41.4370,
58.5330

■ 132.9090, 66.8310,
93.9270

■ 194.8350, 33.0030,
46.1790

■ 117.0770, 75.5860,
105.9700

■ 210.0800, 24.5230,
34.6590

■ 101.9460, 83.7450,
117.8010

■ 225.7980, 16.0890,
22.3050

■ 100.0710, 84.8910,
119.0590

■ 241.0430, 7.6090,
10.7850

255.0000, -0.0000,
-0.0000

Harmonies

Analogous

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



162.9770, -17.2470, 42.7610



163.8720, 49.9170, 70.0530



144.1520, 77.8870, 58.7430

Triad

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



163.8720, 49.9170, 70.0530



152.4800, 66.9480, -45.9160



141.9390, -130.9860, -27.0340

Complementary

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



163.8720, 49.9170, 70.0530



196.1280, -49.9170, -70.0530

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.



134.5460, -108.7910, -49.3270



163.8720, 49.9170, 70.0530



142.8580, 12.4370, -65.7310

Square

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



163.8720, 49.9170, 70.0530



155.0250, 103.1630, -13.9010



123.7620, -83.9370, -70.2490



138.8390, -133.2800, -18.4960

Rectangle

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



163.8720, 49.9170, 70.0530



144.0770, 90.4990, 39.4190



123.7620, -83.9370, -70.2490



140.0180, -124.1990, -34.3990

Sweetspot

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



163.8720, 49.9170, 70.0530



227.0860, 15.2180, 21.5700



129.5750, -33.2500, 51.9500



110.2930, 9.9010, 13.3010



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.



163.8720, 49.9170, 70.0530



144.9910, 60.3680, 84.4000



155.5500, 73.3500, 47.3500



120.0270, 4.5380, 5.8660



75.0070, 63.4390, 89.3190



25.0640, 21.4520, 29.7400

Inverse Universe

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



163.8720, 49.9170, 70.0530



144.9910, 60.3680, 84.4000



204.4500, -73.3500, -47.3500



120.0270, 4.5380, 5.8660



75.0070, 63.4390, 89.3190



25.0640, 21.4520, 29.7400

Previews

White Background



This preview shows how the YIQ color 163.8720, 49.9170, 70.0530 looks on a white background.

Color Contrast Check

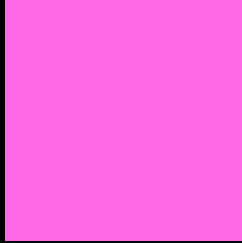
Large Text (above 18pt) WCAG AA × Fail

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 163.8720, 49.9170, 70.0530 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

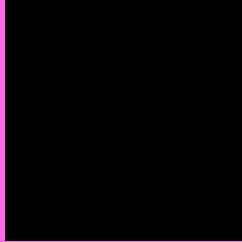
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

YIQ 163.8720, 49.9170, 70.0530

Background



This preview shows how black text looks on a background with the YIQ color 163.8720, 49.9170, 70.0530.



This preview shows how white text looks on a background with the YIQ color 163.8720, 49.9170,

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

163.8720, 49.9170, 70.0530

Protanopia

162.1480, -49.2460, 22.4500

Deuteranopia

164.0240, -25.7700, 15.4940



Tritanopia

164.0090, 66.8430, 27.6030

Trichromacy



Original Color

163.8720, 49.9170, 70.0530



Protanomaly

163.0220, -13.1200, 39.5520



Deuteranomaly

164.2870, 2.0110, 35.1550



Tritanomaly

164.2710, 60.8340, 42.8980

Monochromacy



Original Color

163.8720, 49.9170, 70.0530



Achromatopsia

164.0000, 0.0000, -0.0000



Achromatomaly

164.1620, 18.0600, 25.1320

CSS Examples

Text

The CSS property to change the color of the text to YIQ 163.8720, 49.9170, 70.0530 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(255, 105, 228)` looks like.

```
.text, #text, p{  
    color:rgb(255, 105, 228)  
}
```

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(255, 105, 228) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 105, 228) }
```

Border

The CSS property to change the border of an element to YIQ 163.8720, 49.9170, 70.0530 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(255, 105, 228) }
```


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

```
.border{ border-color:rgb(255, 105, 228) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 105, 228)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 105, 228); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 105, 228);  
box-shadow:4px 4px 4px 4px rgb(255, 105,  
228) }
```

Background

The CSS property to change the background color of an element to YIQ 163.8720, 49.9170, 70.0530 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 105, 228) }
```

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

```
.background{ background-color: rgb(255,  
105, 228) }
```

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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