

# Converting Colors

YIQ(146.2260, 83.0700, 47.4060)

Have a look what the booklet for  
YIQ(146.2260, 83.0700, 47.4060)  
contains.

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# Color

**YIQ(146.2260, 83.0700,  
47.4060)**

# Conversions

Conversions Part 1	
Format	Color
Hex	FF5D87
RGB	255, 93, 135
RGB Percent	100%, 36%, 53%
CMY	0.0000, 0.6355, 0.4703
CMYK	0.00, 0.64, 0.47, 0.00
HSL	344°, 100%, 68%
HSV	344°, 64%, 100%
XYZ	49.5269, 30.8282, 26.2897
YIQ	146.2260, 83.0700, 47.4060

# Conversions

## Conversions Part 2

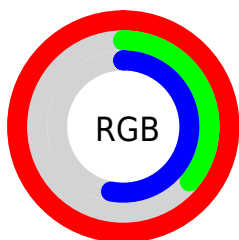
Format	Color
<a href="#">RYB</a>	<a href="#">255, 93, 135</a>
Decimal	<a href="#">16735623</a>
CIELab	<a href="#">62.36, 64.58, 10.57</a>
CIELCh	<a href="#">62, 65.441, 9.294</a>
Yxy	<a href="#">30.8282, 0.4644, 0.2891</a>
Android (android.graphics.Color)	<a href="#">4294925703</a> (0xFFFF5D87)
YUV	<a href="#">146.2260, -5.5344, 95.3948</a>
Hunter-Lab	<a href="#">55.5231, 62.0574, 10.7929</a>

# Details

The YIQ color **146.2260, 83.0700, 47.4060** is a light color, and the websafe version is hex **FF6699**. The color can be described as light muted rose. A complement of this color would be **201.7740, -83.0700, -47.4060**, and the grayscale version is **146.0000, -0.0000, -0.0000**.

A 20% lighter version of the original color is **186.3140, 50.1070, 33.5550**, and **82.7730, 80.2720, 54.0640** is the 20% darker color. If you saturate the color by 10%, you get **128.7980, 96.3190, 55.0950**, and if you desaturate by 10%, it is **163.0670, 70.0960, 40.2400**.

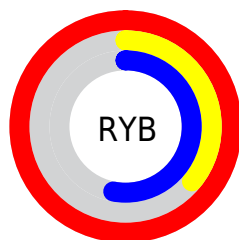
# Distribution



Red (100%)

Green (36%)

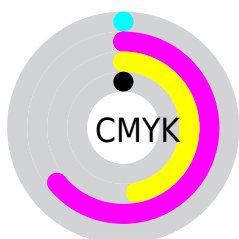
Blue (53%)



Red (100%)

Yellow (36%)

Blue (53%)

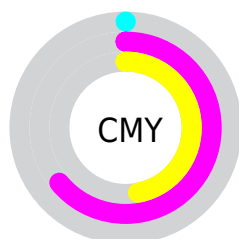


Cyan (0%)

Magenta (64%)

Yellow (47%)

Black (0%)



Cyan (0%)

Magenta (64%)


Yellow (47%)

# Brightness & Saturation Gradients

These gradients show how the YIQ color 146.2260, 83.0700, 47.4060 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 146.2260, 83.0700, 47.4060 by changing the saturation by 10% instead.





 146.2260, 83.0700,  
47.4060


 146.2260, 83.0700,  
47.4060


255.0000, -0.0000,  
-0.0000


 116.4970, 80.8690,  
48.7490


 186.3140, 50.1070,  
33.5550


 82.7730, 80.2720,  
54.0640


 205.9420, 33.4190,  
27.6190


 55.9190, 76.9250,  
54.1490

 226.7440, 16.1810,  
20.6370

 44.1420, 65.5110,  
40.7350


 245.0210, 4.6750,  
8.8910


 33.1910, 54.6470,  
28.3670


 22.3540, 43.4620,  
16.3100


 13.2700, 25.9030,


9.6390


 0.0000, 0.0000,  
0.0000

 146.2260, 83.0700,  
47.4060


 146.2260, 83.0700,  
47.4060


 128.7980, 96.3190,  
55.0950


 163.0670, 70.0960,  
40.2400


 111.9570,  
109.2930, 62.2610

 180.4950, 56.8470,  
32.5510


 94.5290, 122.5420,  
69.9500

 197.3360, 43.8730,  
25.3850

 83.7690, 130.7940,  
74.5860

 214.7640, 30.6240,  
17.6960

 231.4910, 17.9710,  
10.2190

 248.9190, 4.7220,  
2.5300

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.



151.8420, 49.4610, 56.2850



146.2260, 83.0700, 47.4060



145.7710, 90.6400, 20.3360

# Triad

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



146.2260, 83.0700, 47.4060



134.4440, -3.2920, -50.4920



127.6860, -128.0550, -8.5590

# Complementary

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



146.2260, 83.0700, 47.4060



201.7740, -83.0700, -47.4060

# 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.



128.7340, -119.9830, -22.6950



146.2260, 83.0700, 47.4060



114.9230, -82.4720, -58.2480

# Square

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



146.2260, 83.0700, 47.4060



140.0470, 52.2300, -43.4980



123.6380, -102.8780, -40.8460



132.0480, -96.2390, 9.5610



# Rectangle

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



146.2260, 83.0700, 47.4060



146.1220, 84.3170, -2.7470



123.6380, -102.8780, -40.8460



129.4640, -127.5500, -12.2060

# Sweetspot

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



146.2260, 83.0700, 47.4060



222.7200, 24.7560, 13.9080



147.0490, 18.9220, 75.6100



107.8820, 15.3120, 8.8480



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.



146.2260, 83.0700, 47.4060



124.8200, 99.2530, 56.9890



163.7440, 86.1020, 14.4700



119.2290, 6.7850, 3.6890



62.8090, 97.7860, 56.0420



21.0740, 32.6870, 18.8550



# Inverse Universe

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



146.2260, 83.0700, 47.4060



124.8200, 99.2530, 56.9890



184.2560, -86.1020, -14.4700



119.2290, 6.7850, 3.6890



62.8090, 97.7860, 56.0420

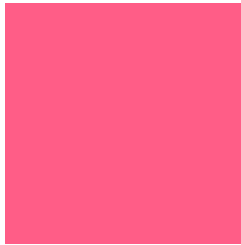


21.0740, 32.6870, 18.8550



# Previews

## White Background



This preview shows how the YIQ color 146.2260, 83.0700, 47.4060 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

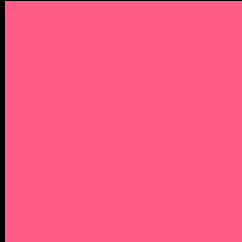
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the YIQ color 146.2260, 83.0700, 47.4060 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 146.2260, 83.0700, 47.4060**

## **Background**



This preview shows how black text looks on a background with the YIQ color 146.2260, 83.0700, 47.4060.



This preview shows how white text looks on a background with the YIQ color 146.2260, 83.0700,



# 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

146.2260, 83.0700, 47.4060

### Protanopia

151.5250, -5.7320, 4.7640

### Deuteranopia

151.6190, 23.0620, 0.5500





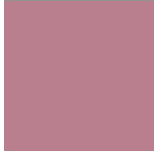
## Tritanopia

145.7300, 89.8580, 34.5140

# Trichromacy

	<b>Original Color</b> 146.2260, 83.0700, 47.4060
	<b>Protanomaly</b> 149.6050, 26.8180, 20.5940
	<b>Deuteranomaly</b> 149.4790, 44.6080, 17.5680
	<b>Tritanomaly</b> 146.1090, 87.4730, 39.1930

# Monochromacy

	<b>Original Color</b> 146.2260, 83.0700, 47.4060
	<b>Achromatopsia</b> 146.0000, -0.0000, -0.0000
	<b>Achromatomaly</b> 146.3510, 30.3490, 17.1730

# CSS Examples

## Text

The CSS property to change the color of the text to YIQ 146.2260, 83.0700, 47.4060 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, 93, 135)` looks like.

```
.text, #text, p{  
    color:rgb(255, 93, 135)  
}
```

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, 93, 135) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 93, 135) }
```

## Border

The CSS property to change the border of an element to YIQ 146.2260, 83.0700, 47.4060 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, 93, 135) }
```



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

```
.border{ border-color:rgb(255, 93, 135) }
```

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

Here you see how a box with a 4 pixel rgb(255, 93, 135) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 93, 135); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 93, 135);  
box-shadow:4px 4px 4px 4px rgb(255, 93,  
135) }
```

# Background

The CSS property to change the background color of an element to YIQ 146.2260, 83.0700, 47.4060 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 93, 135) }
```

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

```
.background{ background-color: rgb(255, 93,  
135) }
```

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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