

# Converting Colors

YIQ(114.8580, 105.2580,  
63.8020)

Have a look what the booklet for  
YIQ(114.8580, 105.2580, 63.8020)  
contains.

<b>YIQ(114.8580, 105.2580, 63.8020)</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(114.8580, 105.2580,  
63.8020)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FF2D6B
RGB	255, 45, 107
RGB Percent	100%, 18%, 42%
CMY	0.0000, 0.8238, 0.5800
CMYK	0.00, 0.82, 0.58, 0.00
HSL	342°, 100%, 59%
HSV	342°, 82%, 100%
XYZ	44.8338, 24.1936, 16.2428
YIQ	114.8580, 105.2580, 63.8020

# Conversions

## Conversions Part 2

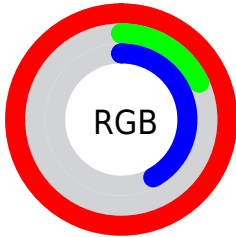
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	255, 45, 107
Decimal	16723307
CIE <sub>Lab</sub>	56.28, 77.66, 18.55
CIE <sub>LCh</sub>	56, 79.846, 13.435
Yxy	24.1936, 0.5258, 0.2837
Android (android.graphics.Color)	4294913387 (0xFFFF2D6B)
YUV	114.8580, -3.8740, 122.9045
Hunter-Lab	49.1870, 76.6252, 14.8518

# Details

The YIQ color **114.8580, 105.2580, 63.8020** is a dark color, and the websafe version is hex **FF3366**. The color can be described as dark washed rose. A complement of this color would be **185.1420, -105.2580, -63.8020**, and the grayscale version is **115.0000, -0.0000, 0.0000**.

A 20% lighter version of the original color is **161.1750, 69.9120, 43.5760**, and **63.9490, 94.5760, 59.1520** is the 20% darker color. If you saturate the color by 10%, you get **97.5440, 118.1860, 71.8020**, and if you desaturate by 10%, it is **131.5850, 92.6050, 56.3250**.

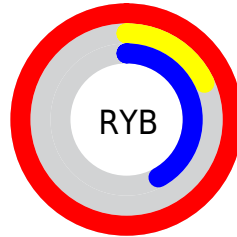
# Distribution



Red (100%)

Green (18%)

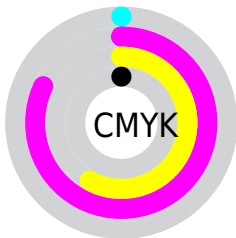
Blue (42%)



Red (100%)

Yellow (18%)

Blue (42%)

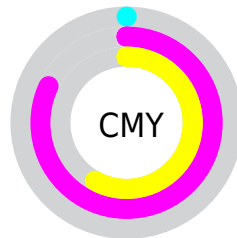


Cyan (0%)

Magenta (82%)

Yellow (58%)

Black (0%)



Cyan (0%)

Magenta (82%)

Yellow (58%)

# Brightness & Saturation Gradients

These gradients show how the YIQ color 114.8580, 105.2580, 63.8020 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 114.8580, 105.2580, 63.8020 by changing the saturation by 10% instead.





 114.8580,  
105.2580, 63.8020


 114.8580,  
105.2580, 63.8020


255.0000, -0.0000,  
-0.0000


 76.1390, 106.2650,  
73.0890


 161.1750, 69.9120,  
43.5760


 63.9490, 94.5760,  
59.1520


 181.8630, 52.9950,  
36.2830

 51.9870, 82.2450,  
45.8370


 203.1380, 35.8030,  
28.4670

 40.5520, 69.8680,  
33.3560

 224.0540, 18.2440,  
21.7960

 29.3450, 56.8490,  
21.4970

 243.2600, 5.5000,  
10.4600

 20.0760, 38.3730,  
14.9250

 9.6820, 18.7510,

7.0950

■ 0.0000, 0.0000,  
0.0000

■ 114.8580,  
105.2580, 63.8020

■ 114.8580,  
105.2580, 63.8020

■ 97.5440, 118.1860,  
71.8020

■ 131.5850, 92.6050,  
56.3250

■ 84.7950, 127.9050,  
77.3850

■ 148.8990, 79.6770,  
48.3250

■ 165.6260, 67.0240,  
40.8480

■ 182.9400, 54.0960,  
32.8480

■ 199.6670, 41.4430,  
25.3710

216.9810, 28.5150,  
17.3710

233.7080, 15.8620,  
9.8940

251.0220, 2.9340,  
1.8940

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.



124.6850, 69.6770, 75.3810



114.8580, 105.2580, 63.8020



123.5570, 105.8620, 19.7980

# Triad

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



114.8580, 105.2580, 63.8020



104.5430, -17.5930, -72.1610



119.4680, -124.2050, -1.2370

# Complementary

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



114.8580, 105.2580, 63.8020



185.1420, -105.2580, -63.8020

# 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.



121.9010, -118.6550, -13.7190



114.8580, 105.2580, 63.8020



106.1690, -74.3570, -56.6370

# Square

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



114.8580, 105.2580, 63.8020



123.7190, 41.4100, -45.6460



115.6650, -98.3400, -34.9800



107.1410, -118.4300, 9.7460



# Rectangle

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



114.8580, 105.2580, 63.8020



125.8980, 96.3310, -11.2290



115.6650, -98.3400, -34.9800



121.8160, -125.3050, -3.3290

# Sweetspot

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



114.8580, 105.2580, 63.8020



212.3020, 32.0450, 19.4770



112.8930, 20.2020, 96.4740



102.0290, 19.3920, 12.0000



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.



114.8580, 105.2580, 63.8020



86.7840, 126.4380, 76.4380



132.4440, 113.6100, 22.5540



119.3430, 6.4640, 4.0000



63.6070, 95.5390, 58.2190



21.3020, 32.0450, 19.4770



# Inverse Universe

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



114.8580, 105.2580, 63.8020



86.7840, 126.4380, 76.4380



167.5560, -113.6100, -22.5540



119.3430, 6.4640, 4.0000



63.6070, 95.5390, 58.2190



21.3020, 32.0450, 19.4770



# Previews

## White Background



This preview shows how the YIQ color 114.8580, 105.2580, 63.8020 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

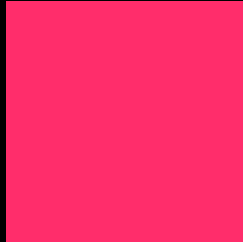
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the YIQ color 114.8580, 105.2580, 63.8020 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 114.8580, 105.2580, 63.8020

## Background



This preview shows how black text looks on a background with the YIQ color 114.8580, 105.2580, 63.8020.



This preview shows how white text looks on a background with the YIQ color 114.8580, 105.2580,



# 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

114.8580, 105.2580, 63.8020

### Protanopia

135.7100, -4.8150, 4.6650

### Deuteranopia

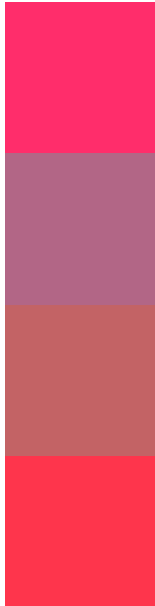
135.5070, 29.0690, -3.6910



## Tritanopia

116.4190, 115.8990, 41.6510

# Trichromacy



## Original Color

114.8580, 105.2580, 63.8020

## Protanomaly

128.3720, 35.0240, 26.0640

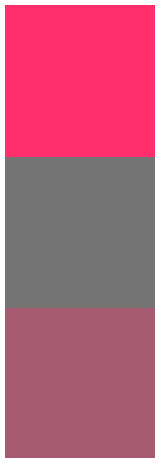
## Deuteranomaly

127.9320, 56.5740, 20.9740

## Tritanomaly

115.7210, 112.4130, 49.7650

# Monochromacy



## Original Color

114.8580, 105.2580, 63.8020

## Achromatopsia

115.0000, -0.0000, 0.0000

## Achromatomaly

115.2320, 38.2340, 22.9540

# CSS Examples

## Text

The CSS property to change the color of the text to YIQ 114.8580, 105.2580, 63.8020 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, 45, 107)` looks like.

```
.text, #text, p{  
    color:rgb(255, 45, 107)  
}
```

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, 45, 107) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 45, 107) }
```

## Border

The CSS property to change the border of an element to YIQ 114.8580, 105.2580, 63.8020 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, 45, 107) }
```



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

```
.border{ border-color:rgb(255, 45, 107) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 45, 107)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 45, 107); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 45, 107);  
box-shadow:4px 4px 4px 4px rgb(255, 45,  
107) }
```

# Background

The CSS property to change the background color of an element to YIQ 114.8580, 105.2580, 63.8020 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 45, 107) }
```

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

```
.background{ background-color: rgb(255, 45,  
107) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

**[Learn more, Memberships starting at \\$2.50/m!](#)**

**Follow me  
on Twitter!**

**@ConvertingColor**