

Converting Colors

YIQ(116.9420, 104.4810,
50.3450)

Have a look what the booklet for
YIQ(116.9420, 104.4810, 50.3450)
contains.

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Color

**YIQ(116.9420, 104.4810,
50.3450)**

Conversions

Conversions Part 1

Format	Color
Hex	F83857
RGB	248, 56, 87
RGB Percent	97%, 22%, 34%
CMY	0.0270, 0.7806, 0.6584
CMYK	0.00, 0.77, 0.65, 0.03
HSL	350°, 93%, 60%
HSV	350°, 77%, 97%
XYZ	41.8891, 23.4889, 11.3642
YIQ	116.9420, 104.4810, 50.3450

Conversions

Conversions Part 2

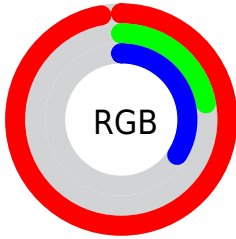
Format	Color
R_{YB}	248, 56, 87
Decimal	16267351
CIE _{Lab}	55.57, 72.00, 29.24
CIE _{LCh}	56, 77.710, 22.100
Yxy	23.4889, 0.5458, 0.3061
Android (android.graphics.Color)	4294457431 (0xFFFF83857)
YUV	116.9420, -14.7614, 114.9379
Hunter-Lab	48.4654, 69.4648, 20.0234

Details

The YIQ color **116.9420, 104.4810, 50.3450** is a dark color, and the websafe version is hex **FF3366**. The color can be described as dark washed red. A complement of this color would be **187.0580, -104.4810, -50.3450**, and the grayscale version is **117.0000, -0.0000, 0.0000**.

A 20% lighter version of the original color is **161.7160, 75.2780, 34.4300**, and **59.8040, 96.1820, 52.0700** is the 20% darker color. If you saturate the color by 10%, you get **99.8730, 118.0970, 56.8890**, and if you desaturate by 10%, it is **134.0110, 90.8650, 43.8010**.

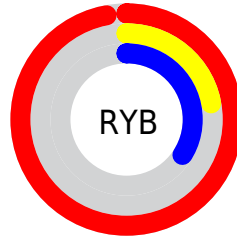
Distribution



Red (97%)

Green (22%)

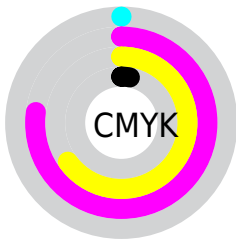
Blue (34%)



Red (97%)

Yellow (22%)

Blue (34%)

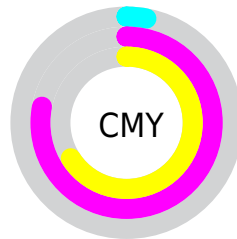


Cyan (0%)

Magenta (77%)

Yellow (65%)

Black (3%)



Cyan (3%)


Magenta (78%)


Yellow (66%)

Brightness & Saturation Gradients


These gradients show how the YIQ color 116.9420, 104.4810, 50.3450 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 116.9420, 104.4810, 50.3450 by changing the saturation by 10% instead.


 116.9420,
104.4810, 50.3450


 116.9420,
104.4810, 50.3450


255.0000, -0.0000,
-0.0000


 71.8800, 108.1920,
65.6960


 161.7160, 75.2780,
34.4300


 59.8040, 96.1820,
52.0700


 182.2900, 58.6820,
26.8260


 48.0700, 83.2090,
39.3770


 202.9780, 41.7650,
19.5330

 36.1790, 72.1160,
25.6520

 223.1930, 24.8020,
13.0740

 27.1380, 52.9980,
19.7020

 243.9950, 7.5640,
6.0920

 18.2820, 34.7970,
13.6530

 6.5780, 13.1120,

4.6640

■ 0.0000, 0.0000,
0.0000

■ 116.9420,
104.4810, 50.3450

■ 116.9420,
104.4810, 50.3450

■ 99.8730, 118.0970,
56.8890

■ 134.0110, 90.8650,
43.8010

■ 82.9180, 131.3920,
63.7440

■ 151.0800, 77.2490,
37.2570

■ 78.7120, 134.9680,
65.0160

■ 167.4480, 64.2290,
30.9250

■ 184.5170, 50.6130,
24.3810

■ 201.5860, 36.9970,
17.8370

■ 218.6550, 23.3810,
11.2930

■ 235.7240, 9.7650,
4.7490

■ 252.0920, -3.2550,
-1.5830

■ 252.9070, -4.1720,
-1.4840

Harmonies

Analogous

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



119.2640, 81.0480, 73.0480



116.9420, 104.4810, 50.3450



123.2060, 101.8760, 3.9240

Triad

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



116.9420, 104.4810, 50.3450



96.1320, -55.7400, -69.1480



115.3590, -122.2800, 2.4240

Complementary

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



116.9420, 104.4810, 50.3450



187.0580, -104.4810, -50.3450

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.



120.5790, -120.4440, -8.8280



116.9420, 104.4810, 50.3450



107.2750, -80.2270, -49.3710

Square

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



116.9420, 104.4810, 50.3450



118.3150, 27.7480, -51.3560



115.8420, -102.9720, -28.1240



125.4900, -67.4040, 32.1480

Rectangle

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



116.9420, 104.4810, 50.3450



125.2120, 83.4030, -19.2290



115.8420, -102.9720, -28.1240



118.2940, -123.6550, -0.1910

Sweetspot

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



116.9420, 104.4810, 50.3450



214.7810, 31.9540, 15.6180



125.7280, 33.7280, 93.6320



103.4480, 19.5300, 9.4980



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.



116.9420, 104.4810, 50.3450



93.1950, 129.0540, 62.0620



150.9760, 96.8320, 7.2320



116.1150, 7.1060, 3.3780



60.0450, 102.6930, 49.7090



19.3790, 33.1460, 16.0420

Inverse Universe

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



116.9420, 104.4810, 50.3450



93.1950, 129.0540, 62.0620



153.0240, -96.8320, -7.2320



116.1150, 7.1060, 3.3780



60.0450, 102.6930, 49.7090



19.3790, 33.1460, 16.0420

Previews

White Background



This preview shows how the YIQ color 116.9420, 104.4810, 50.3450 looks on a white background.

Color Contrast Check

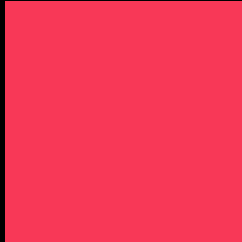
Large Text (above 18pt) WCAG AA ✓ Pass

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 116.9420, 104.4810, 50.3450 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 116.9420, 104.4810, 50.3450

Background



This preview shows how black text looks on a background with the YIQ color 116.9420, 104.4810, 50.3450.



This preview shows how white text looks on a background with the YIQ color 116.9420, 104.4810,

50.3450.

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

116.9420, 104.4810, 50.3450

Protanopia

133.1980, 8.0700, -3.0820

Deuteranopia

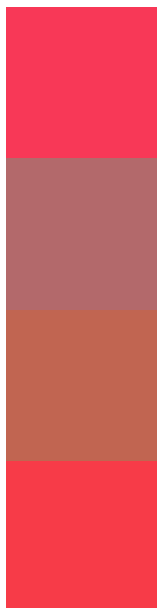
131.7650, 36.9100, -8.1300



Tritanopia

116.8420, 110.2140, 40.0540

Trichromacy



Original Color

116.9420, 104.4810, 50.3450

Protanomaly

127.3540, 43.4620, 16.3100

Deuteranomaly

126.2280, 61.2520, 13.2840

Tritanomaly

116.6940, 107.8750, 43.8990

Monochromacy



Original Color

116.9420, 104.4810, 50.3450

Achromatopsia

117.0000, -0.0000, 0.0000

Achromatomaly

117.1840, 38.1890, 18.2610

CSS Examples

Text

The CSS property to change the color of the text to YIQ 116.9420, 104.4810, 50.3450 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(248, 56, 87)` looks like.

```
.text, #text, p{  
    color:rgb(248, 56, 87)  
}
```

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(248, 56, 87) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(248, 56, 87) }
```

Border

The CSS property to change the border of an element to YIQ 116.9420, 104.4810, 50.3450 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(248, 56, 87) }
```


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

```
.border{ border-color:rgb(248, 56, 87) }
```

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

Here you see how a box with a 4 pixel `rgb(248, 56, 87)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(248, 56, 87); -webkit-box-  
shadow:4px 4px 4px 4px rgb(248, 56, 87);  
box-shadow:4px 4px 4px 4px rgb(248, 56,  
87) }
```

Background

The CSS property to change the background color of an element to YIQ 116.9420, 104.4810, 50.3450 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(248, 56, 87) }
```

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

```
.background{ background-color: rgb(248, 56,  
87) }
```

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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