

Converting Colors

YIQ(116.2870, 37.5420, 46.5180)

Have a look what the booklet for
YIQ(116.2870, 37.5420, 46.5180)
contains.

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Color

**YIQ(116.2870, 37.5420,
46.5180)**

Conversions

Conversions Part 1

Format	Color
Hex	B54C9A
RGB	181, 76, 154
RGB Percent	71%, 30%, 60%
CMY	0.2899, 0.7021, 0.3960
CMYK	0.00, 0.58, 0.15, 0.29
HSL	315°, 42%, 50%
HSV	315°, 58%, 71%
XYZ	27.4899, 17.3296, 32.4778
YIQ	116.2870, 37.5420, 46.5180

Conversions

Conversions Part 2

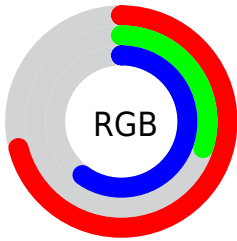
Format	Color
R_{YB}	181, 76, 154
Decimal	11881626
CIE _{Lab}	48.67, 51.90, -22.13
CIE _{LCh}	49, 56.418, 336.910
Yxy	17.3296, 0.3556, 0.2242
Android (android.graphics.Color)	4290071706 (0xFFB54C9A)
YUV	116.2870, 18.5925, 56.7533
Hunter-Lab	41.6289, 45.0232, -17.1163

Details

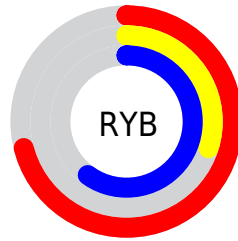
The YIQ color **116.2870, 37.5420, 46.5180** is a dark color, and the websafe version is hex **993399**. A complement of this color would be **140.7130, -37.5420, -46.5180**, and the grayscale version is **116.0000, -0.0000, 0.0000**.

A 20% lighter version of the original color is **171.5970, 39.6050, 47.6770**, and **58.5090, 37.0370, 50.1650** is the 20% darker color. If you saturate the color by 10%, you get **105.1510, 44.0970, 54.3770**, and if you desaturate by 10%, it is **127.4230, 30.9870, 38.6590**.

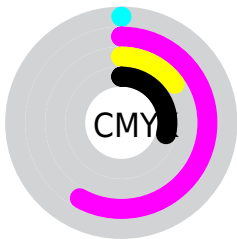
Distribution



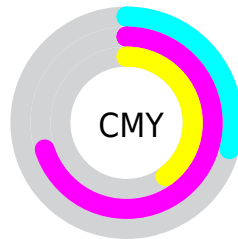
- Red (71%)
- Green (30%)
- Blue (60%)



- Red (71%)
- Yellow (30%)
- Blue (60%)



- Cyan (0%)
- Magenta (58%)
- Yellow (15%)
- Black (29%)





- Cyan (29%)
- Magenta (70%)
- Yellow (40%)

Brightness & Saturation Gradients


These gradients show how the YIQ color 116.2870, 37.5420, 46.5180 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 116.2870, 37.5420, 46.5180 by changing the saturation by 10% instead.


 116.2870, 37.5420,
46.5180


 116.2870, 37.5420,
46.5180


255.0000, -0.0000,
-0.0000


 88.5150, 36.9000,
47.1400


 171.5970, 39.6050,
47.6770


 58.5090, 37.0370,
50.1650


 195.4220, 32.7280,
45.6560

 38.1940, 33.3700,
45.0340


 213.9100, 19.2500,
36.6100

 27.7980, 25.2570,
32.3690

 230.9330, 11.2750,
21.4430

 18.5270, 18.2900,
20.9620

 247.9560, 3.3000,
6.2760

 2.1790, 1.0540,
2.9260

 0.0000, 0.0000,

0.0000

■ 116.2870, 37.5420,
46.5180

■ 116.2870, 37.5420,
46.5180

■ 105.1510, 44.0970,
54.3770

■ 127.4230, 30.9870,
38.6590

■ 94.1290, 50.3310,
62.5470

■ 138.4450, 24.7530,
30.4890

■ 82.9930, 56.8860,
70.4060

■ 149.5810, 18.1980,
22.6300

■ 71.8570, 63.4410,
78.2650

■ 160.7170, 11.6430,
14.7710

■ 69.3950, 64.8620,
80.0460

■ 171.7390, 5.4090,
6.6010

■ 183.4620, -1.4210,
-1.7810

■ 194.5980, -7.9760,
-9.6400

■ 205.6200,
-14.2100, -17.8100

■ 216.7560,
-20.7650, -25.6690

Harmonies

Analogous

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



118.6970, -10.8270, 36.5410



116.2870, 37.5420, 46.5180



110.7400, 66.7030, 41.1590

Triad

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



116.2870, 37.5420, 46.5180



107.2500, 44.7090, -33.8430



100.0270, -92.8870, -18.1590

Complementary

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



116.2870, 37.5420, 46.5180



140.7130, -37.5420, -46.5180

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.



95.3700, -78.3960, -32.9880



116.2870, 37.5420, 46.5180



102.4650, 1.3830, -41.6010

Square

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



116.2870, 37.5420, 46.5180



110.5110, 66.8040, -10.2520



87.9090, -61.5210, -46.9690



100.0390, -101.1880, -5.3800

Rectangle

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



116.2870, 37.5420, 46.5180



110.9020, 74.4540, 27.3340



87.9090, -61.5210, -46.9690



98.4310, -88.3930, -22.5130

Sweetspot

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



116.2870, 37.5420, 46.5180



210.2660, 14.5310, 17.4990



95.7440, -18.2090, 38.1670



102.8150, 8.2510, 10.1630



245.0000, -0.0000, 0.0000



117.0000, -0.0000, 0.0000

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



116.2870, 37.5420, 46.5180



133.2430, 59.1780, 72.9220



110.3590, 54.2340, 30.3460



86.3750, 3.4380, 3.7740



59.8680, 55.7400, 69.1480



10.7660, 9.9470, 12.4670

Inverse Universe

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



116.2870, 37.5420, 46.5180



133.2430, 59.1780, 72.9220



146.6410, -54.2340, -30.3460



86.3750, 3.4380, 3.7740



59.8680, 55.7400, 69.1480



10.7660, 9.9470, 12.4670

Previews

White Background



This preview shows how the YIQ color 116.2870, 37.5420, 46.5180 looks on a white background.

Color Contrast Check

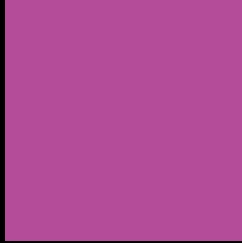
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

Black Background



This preview shows how the YIQ color 116.2870, 37.5420, 46.5180 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

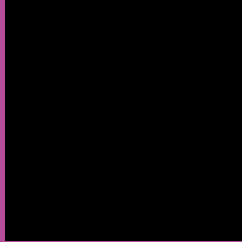
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

YIQ 116.2870, 37.5420, 46.5180

Background



This preview shows how black text looks on a background with the YIQ color 116.2870, 37.5420, 46.5180.



This preview shows how white text looks on a background with the YIQ color 116.2870, 37.5420,

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

116.2870, 37.5420, 46.5180

Protanopia

114.8040, -36.7740, 16.6820

Deuteranopia

116.9790, -12.7020, 9.9380



Tritanopia

116.0990, 48.7340, 19.8860

Trichromacy



Original Color

116.2870, 37.5420, 46.5180



Protanomaly

115.1990, -9.7250, 27.5790



Deuteranomaly

116.4640, 5.4060, 23.1820



Tritanomaly

116.1560, 44.5600, 29.4560

Monochromacy



Original Color

116.2870, 37.5420, 46.5180



Achromatopsia

116.0000, -0.0000, 0.0000



Achromatomaly

115.9670, 13.9350, 17.2870

CSS Examples

Text

The CSS property to change the color of the text to YIQ 116.2870, 37.5420, 46.5180 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(181, 76, 154)` looks like.

```
.text, #text, p{  
    color:rgb(181, 76, 154)  
}
```

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(181, 76, 154) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(181, 76, 154) }
```

Border

The CSS property to change the border of an element to YIQ 116.2870, 37.5420, 46.5180 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(181, 76, 154) }
```


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

```
.border{ border-color:rgb(181, 76, 154) }
```

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

Here you see how a box with a 4 pixel `rgb(181, 76, 154)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(181, 76, 154); -webkit-box-  
shadow:4px 4px 4px 4px rgb(181, 76, 154);  
box-shadow:4px 4px 4px 4px rgb(181, 76,  
154) }
```

Background

The CSS property to change the background color of an element to YIQ 116.2870, 37.5420, 46.5180 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(181, 76, 154) }
```

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

```
.background{ background-color: rgb(181, 76,  
154) }
```

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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