

Converting Colors

YIQ(104.1600, -4.8210, 37.8270)

Have a look what the booklet for
YIQ(104.1600, -4.8210, 37.8270)
contains.

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Color

**YIQ(104.1600, -4.8210,
37.8270)**

Conversions

Conversions Part 1

Format	Color
Hex	7B51AE
RGB	123, 81, 174
RGB Percent	48%, 32%, 68%
CMY	0.5175, 0.6824, 0.3177
CMYK	0.29, 0.53, 0.00, 0.32
HSL	267°, 36%, 50%
HSV	267°, 53%, 68%
XYZ	18.7530, 13.1513, 41.5826
YIQ	104.1600, -4.8210, 37.8270

Conversions

Conversions Part 2

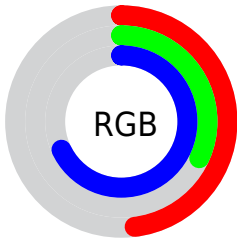
Format	Color
R_{YB}	123, 81, 174
Decimal	8081838
CIE _{Lab}	42.99, 36.81, -43.40
CIE _{LCh}	43, 56.907, 310.307
Yxy	13.1513, 0.2552, 0.1790
Android (android.graphics.Color)	4286271918 (0xFF7B51AE)
YUV	104.1600, 34.4311, 16.5227
Hunter-Lab	36.2647, 28.8417, -42.5990

Details

The YIQ color $104.1600, -4.8210, 37.8270$ is a dark color, and the websafe version is hex $9966CC$. A complement of this color would be $150.8400, 4.8210, -37.8270$, and the grayscale version is $104.0000, -0.0000, -0.0000$.

A 20% lighter version of the original color is $156.9260, -4.0420, 40.2300$, and $54.0950, -6.1960, 35.2120$ is the 20% darker color. If you saturate the color by 10%, you get $91.4900, -5.5100, 44.8100$, and if you desaturate by 10%, it is $117.1290, -3.5360, 31.0560$.

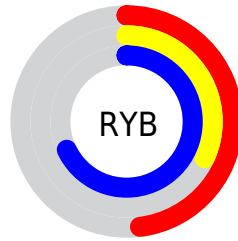
Distribution



Red (48%)

Green (32%)

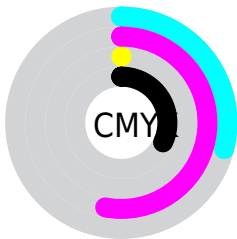
Blue (68%)



Red (48%)

Yellow (32%)

Blue (68%)

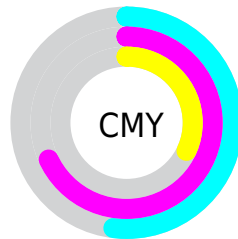


Cyan (29%)

Magenta (53%)

Yellow (0%)

Black (32%)



Cyan (52%)

Magenta (68%)

Yellow (32%)

Brightness & Saturation Gradients

These gradients show how the YIQ color 104.1600, -4.8210, 37.8270 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 104.1600, -4.8210, 37.8270 by changing the saturation by 10% instead.

■ 104.1600, -4.8210,
37.8270

■ 104.1600, -4.8210,
37.8270

■ 255.0000, -0.0000,
-0.0000

■ 78.9210, -5.6460,
36.2580

■ 156.9260, -4.0420,
40.2300

■ 54.0950, -6.1960,
35.2120

■ 183.4100, -2.5290,
40.3430

■ 29.3830, -7.0670,
34.4770

■ 207.9300, 7.3300,
32.3700

■ 13.4760, -12.0630,
25.8970

■ 230.3460, 11.5500,
21.9660

■ 5.4720, -15.4080,
14.9280

■ 247.3690, 3.5750,
6.7990

■ 3.5510, -8.6210,
7.5630

■ 0.0000, 0.0000,

0.0000

■ 104.1600, -4.8210,
37.8270

■ 104.1600, -4.8210,
37.8270

■ 91.4900, -5.5100,
44.8100

■ 117.1290, -3.5360,
31.0560

■ 77.9340, -6.5200,
52.1040

■ 130.3860, -3.1220,
23.5500

■ 64.9650, -7.8050,
58.8750

■ 143.3550, -1.8370,
16.7790

■ 51.7080, -8.2190,
66.3810

■ 156.6120, -1.4230,
9.2730

■ 43.4570, -8.7700,
70.8620

■ 169.5810, -0.1380,
2.5020

■ 182.2510, 0.5510,
-4.4810

■ 195.8070, 1.5610,
-11.7750

■ 208.4770, 2.2500,
-18.7580

■ 222.0330, 3.2600,
-26.0520

Harmonies

Analogous

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



82.1040, -90.6450, 7.2990



104.1600, -4.8210, 37.8270



99.8530, 41.7600, 47.1680

Triad

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



104.1600, -4.8210, 37.8270



95.9080, 64.0080, -14.6480



85.5390, -71.3820, -27.9420

Complementary

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



104.1600, -4.8210, 37.8270



150.8400, 4.8210, -37.8270

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.



78.7790, -55.1030, -42.1350



104.1600, -4.8210, 37.8270



93.9270, 35.4930, -32.0190

Square

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



104.1600, -4.8210, 37.8270



95.9690, 72.3470, 15.9550



86.0020, -4.6230, -42.8870



89.4950, -85.2770, -12.9010

Rectangle

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



104.1600, -4.8210, 37.8270



94.9230, 61.9340, 44.9900



86.0020, -4.6230, -42.8870



83.1280, -65.9710, -32.3950

Sweetspot

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



104.1600, -4.8210, 37.8270



199.8880, -2.0200, 14.5880



121.5390, -43.8780, 2.2500



98.4980, -1.1020, 8.9620



242.0000, -0.0000, 0.0000



115.0000, -0.0000, 0.0000

Same Dimension

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



104.1600, -4.8210, 37.8270



117.9650, -7.8050, 58.8750



117.9140, 22.5950, 47.5790



80.2220, -0.5050, 3.6470



37.4320, -7.6220, 61.0660



5.6120, -1.4230, 9.2730

Inverse Universe

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



114.6210, 39.0570, 35.5770



134.3610, 61.0610, 55.3090



137.0860, -22.5950, -47.5790



81.2610, 3.7590, 3.4630



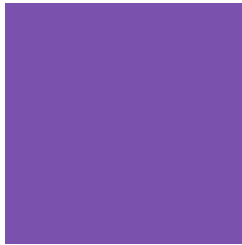
54.1980, 63.0780, 57.3020



8.3590, 9.5350, 8.9190

Previews

White Background



This preview shows how the YIQ color 104.1600, -4.8210, 37.8270 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 104.1600, -4.8210, 37.8270 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 104.1600, -4.8210, 37.8270

Background



This preview shows how black text looks on a background with the YIQ color 104.1600, -4.8210, 37.8270.



This preview shows how white text looks on a background with the YIQ color 104.1600, -4.8210,

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

104.1600, -4.8210, 37.8270

Protanopia

95.5490, -57.8650, 18.9590

Deuteranopia

95.9980, -49.2440, 11.3960



Tritanopia

102.5000, 4.5840, 5.0320

Trichromacy



Original Color

104.1600, -4.8210, 37.8270

Protanomaly

98.4160, -38.1970, 25.9550

Deuteranomaly

98.5920, -33.0610, 20.9790

Tritanomaly

103.3230, 1.1890, 17.0050

Monochromacy



Original Color

104.1600, -4.8210, 37.8270

Achromatopsia

104.0000, -0.0000, -0.0000

Achromatomaly

104.2470, -1.6530, 13.4430

CSS Examples

Text

The CSS property to change the color of the text to YIQ 104.1600, -4.8210, 37.8270 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(123, 81, 174)` looks like.

```
.text, #text, p{  
    color:rgb(123, 81, 174)  
}
```

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(123, 81, 174) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(123, 81, 174) }
```

Border

The CSS property to change the border of an element to YIQ 104.1600, -4.8210, 37.8270 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(123, 81, 174) }
```


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

```
.border{ border-color:rgb(123, 81, 174) }
```

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

Here you see how a box with a 4 pixel rgb(123, 81, 174) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(123, 81, 174); -webkit-box-  
shadow:4px 4px 4px 4px rgb(123, 81, 174);  
box-shadow:4px 4px 4px 4px rgb(123, 81,  
174) }
```

Background

The CSS property to change the background color of an element to YIQ 104.1600, -4.8210, 37.8270 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(123, 81, 174) }
```

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

```
.background{ background-color: rgb(123, 81,  
174) }
```

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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