

Converting Colors

YIQ(104.2870, 21.4880, 84.1760)

Have a look what the booklet for
YIQ(104.2870, 21.4880, 84.1760)
contains.

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Color

**YIQ(104.2870, 21.4880,
84.1760)**

Conversions

Conversions Part 1

Format	Color
Hex	B12CE0
RGB	177, 44, 224
RGB Percent	69%, 17%, 88%
CMY	0.3054, 0.8277, 0.1216
CMYK	0.21, 0.80, 0.00, 0.12
HSL	284°, 74%, 53%
HSV	284°, 80%, 88%
XYZ	32.5077, 16.5383, 71.9901
YIQ	104.2870, 21.4880, 84.1760

Conversions

Conversions Part 2

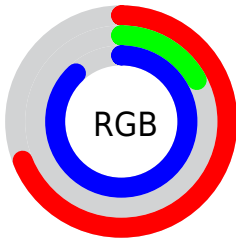
Format	Color
RYB	177, 44, 224
Decimal	11611360
CIELab	47.67, 75.21, -64.45
CIELCh	48, 99.052, 319.405
Yxy	16.5383, 0.2686, 0.1366
Android (android.graphics.Color)	4289801440 (0xFFB12CE0)
YUV	104.2870, 59.0185, 63.7693
Hunter-Lab	40.6673, 71.5175, -76.4894

Details

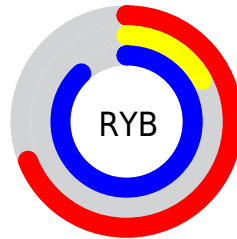
The YIQ color **104.2870, 21.4880, 84.1760** is a light color, and the websafe version is hex **9900CC**. The color can be described as light washed purple. A complement of this color would be **163.7130, -21.4880, -84.1760**, and the grayscale version is **104.0000, -0.0000, -0.0000**.

A 20% lighter version of the original color is **162.1550, 30.2470, 74.1110**, and **54.7330, 16.9960, 77.4760** is the 20% darker color. If you saturate the color by 10%, you get **89.5790, 23.9620, 94.4100**, and if you desaturate by 10%, it is **118.9950, 19.0140, 73.9420**.

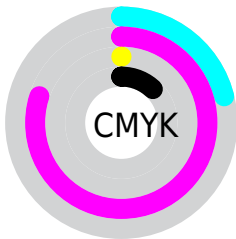
Distribution



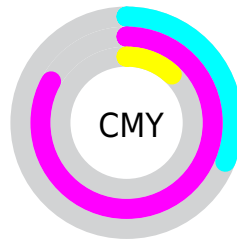
- Red (69%)
- Green (17%)
- Blue (88%)



- Red (69%)
- Yellow (17%)
- Blue (88%)



- Cyan (21%)
- Magenta (80%)
- Yellow (0%)
- Black (12%)



- Cyan (31%)
- Magenta (83%)
- Yellow (12%)

Brightness & Saturation Gradients

These gradients show how the YIQ color 104.2870, 21.4880, 84.1760 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 104.2870, 21.4880, 84.1760 by changing the saturation by 10% instead.

104.2870, 21.4880,
84.1760

104.2870, 21.4880,
84.1760

255.0000, -0.0000,
-0.0000

66.4820, 25.6130,
92.0210

162.1550, 30.2470,
74.1110

54.7330, 16.9960,
77.4760

184.5600, 33.0000,
62.7600

42.8700, 8.7000,
62.6200

201.5830, 25.0250,
47.5930

30.9360, -0.8340,
48.1740

218.6060, 17.0500,
32.4260

19.1160, -10.6890,
34.0390

236.2160, 8.8000,
16.7360

7.2960, -20.5440,
19.9040

253.8260, 0.5500,

6.4350, -13.9860,

1.0460

11.1820

■ 2.7530, -6.3740,
5.3860

■ 0.0000, 0.0000,
0.0000

■ 104.2870, 21.4880,
84.1760

■ 104.2870, 21.4880,
84.1760

■ 89.5790, 23.9620,
94.4100

■ 118.9950, 19.0140,
73.9420

■ 75.1700, 27.0320,
104.8560

■ 134.2900, 16.2650,
63.1850

■ 148.9980, 13.7910,
52.9510

■ 163.9940, 10.4460,
41.9820

■ 178.7020, 7.9720,
31.7480

■ 193.4100, 5.4980,
21.5140

■ 208.7050, 2.7490,
10.7570

■ 223.4130, 0.2750,
0.5230

■ 238.7080, -2.4740,
-10.2340

Harmonies

Analogous

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



91.2920, -111.0050, 23.8670



104.2870, 21.4880, 84.1760



88.5180, 95.8530, 96.5970

Triad

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



104.2870, 21.4880, 84.1760



106.5510, 69.3270, -17.4330



104.1530, -93.4820, -23.8980

Complementary

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



104.2870, 21.4880, 84.1760



163.7130, -21.4880, -84.1760

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.



92.9470, -64.6840, -50.2200



104.2870, 21.4880, 84.1760



99.0890, 16.8810, -47.1430

Square

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



104.2870, 21.4880, 84.1760



89.8360, 118.3780, 24.2500



81.0060, -37.9500, -72.1740



112.0020, -116.9610, -0.3610

Rectangle

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



104.2870, 21.4880, 84.1760



85.5370, 120.0640, 81.8240



81.0060, -37.9500, -72.1740



100.2600, -83.8980, -32.3940

Sweetspot

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



104.2870, 21.4880, 84.1760



214.4090, 7.2390, 28.5110



92.6960, -70.9800, 30.8760



103.2910, 4.2150, 17.2310



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.



104.2870, 21.4880, 84.1760



92.0490, 29.2310, 114.5670



113.5520, 62.9820, 81.0780



104.6460, 1.2370, 5.1170



58.9340, 20.9840, 82.2960



16.2360, 6.0480, 22.5600

Inverse Universe

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



103.1780, 92.1930, 52.7770



90.5510, 125.4760, 71.8440



154.4480, -62.9820, -81.0780



104.6310, 5.5930, 3.2650



57.8680, 90.1300, 51.6180



15.8340, 24.4350, 14.2190

Previews

White Background



This preview shows how the YIQ color 104.2870, 21.4880, 84.1760 looks on a white background.

Color Contrast Check

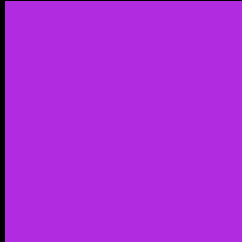
Large Text (above 18pt) WCAG AA ✓ Pass

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 104.2870, 21.4880, 84.1760 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

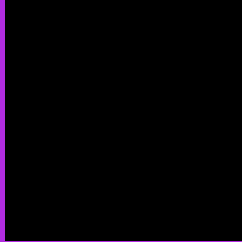
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

YIQ 104.2870, 21.4880, 84.1760

Background



This preview shows how black text looks on a background with the YIQ color 104.2870, 21.4880, 84.1760.



This preview shows how white text looks on a background with the YIQ color 104.2870, 21.4880,

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

104.2870, 21.4880, 84.1760

Protanopia

90.9040, -104.4010, 14.3110

Deuteranopia

91.3480, -97.3840, 2.7760



Tritanopia

114.9340, 35.8970, 15.7450

Trichromacy



Original Color

104.2870, 21.4880, 84.1760



Protanomaly

95.6100, -58.6940, 39.4980



Deuteranomaly

96.0200, -54.3370, 32.1190



Tritanomaly

110.8900, 31.1700, 40.8500

Monochromacy



Original Color

104.2870, 21.4880, 84.1760



Achromatopsia

104.0000, -0.0000, -0.0000



Achromatomaly

104.1750, 8.0180, 30.9140

CSS Examples

Text

The CSS property to change the color of the text to YIQ 104.2870, 21.4880, 84.1760 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(177, 44, 224)` looks like.

```
.text, #text, p{  
    color:rgb(177, 44, 224)  
}
```

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(177, 44, 224) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(177, 44, 224) }
```

Border

The CSS property to change the border of an element to YIQ 104.2870, 21.4880, 84.1760 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(177, 44, 224) }
```


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

```
.border{ border-color:rgb(177, 44, 224) }
```

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

Here you see how a box with a 4 pixel `rgb(177, 44, 224)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(177, 44, 224); -webkit-box-  
shadow:4px 4px 4px 4px rgb(177, 44, 224);  
box-shadow:4px 4px 4px 4px rgb(177, 44,  
224) }
```

Background

The CSS property to change the background color of an element to YIQ 104.2870, 21.4880, 84.1760 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(177, 44, 224) }
```

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

```
.background{ background-color: rgb(177, 44,  
224) }
```

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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