

Converting Colors

YIQ(104.2450, 21.3060, 76.4580)

Have a look what the booklet for
YIQ(104.2450, 21.3060, 76.4580)
contains.

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Color

**YIQ(104.2450, 21.3060,
76.4580)**

Conversions

Conversions Part 1

Format	Color
Hex	AC31D3
RGB	172, 49, 211
RGB Percent	67%, 19%, 83%
CMY	0.3251, 0.8080, 0.1726
CMYK	0.18, 0.77, 0.00, 0.17
HSL	286°, 65%, 51%
HSV	286°, 77%, 83%
XYZ	29.8880, 15.6770, 63.0718
YIQ	104.2450, 21.3060, 76.4580

Conversions

Conversions Part 2

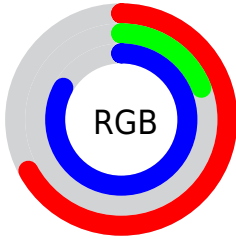
Format	Color
R_{YB}	172, 49, 211
Decimal	11284947
CIE _{Lab}	46.55, 70.41, -58.88
CIE _{LCh}	47, 91.781, 320.095
Yxy	15.6770, 0.2751, 0.1443
Android (android.graphics.Color)	4289475027 (0xFFAC31D3)
YUV	104.2450, 52.6302, 59.4211
Hunter-Lab	39.5942, 65.4526, -66.7306

Details

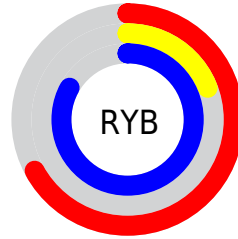
The YIQ color **104.2450, 21.3060, 76.4580** is a dark color, and the websafe version is hex **9933CC**. The color can be described as middle muted purple. A complement of this color would be **155.7550, -21.3060, -76.4580**, and the grayscale version is **104.0000, -0.0000, -0.0000**.

A 20% lighter version of the original color is **162.1220, 25.8460, 71.2700**, and **51.7560, 18.1890, 72.3730** is the 20% darker color. If you saturate the color by 10%, you get **90.4230, 24.1010, 86.3810**, and if you desaturate by 10%, it is **118.0670, 18.5110, 66.5350**.

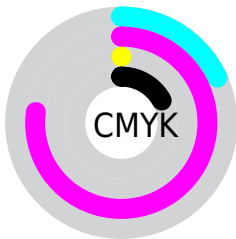
Distribution



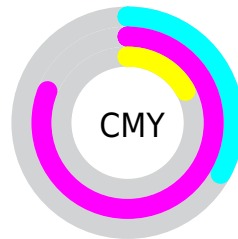
- Red (67%)
- Green (19%)
- Blue (83%)



- Red (67%)
- Yellow (19%)
- Blue (83%)



- Cyan (18%)
- Magenta (77%)
- Yellow (0%)
- Black (17%)





- Cyan (33%)
- Magenta (81%)
- Yellow (17%)

Brightness & Saturation Gradients


These gradients show how the YIQ color 104.2450, 21.3060, 76.4580 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 104.2450, 21.3060, 76.4580 by changing the saturation by 10% instead.


 104.2450, 21.3060,
76.4580

 104.2450, 21.3060,
76.4580

255.0000, -0.0000,
-0.0000


 64.2060, 26.2100,
86.7060

 162.1220, 25.8460,
71.2700


 52.0550, 18.7850,
72.5850


 185.7340, 32.4500,
61.7140

 40.4200, 9.8470,
58.3510


 202.1700, 24.7500,
47.0700

 28.7850, 0.9090,
44.1170

 219.1930, 16.7750,
31.9030

 17.5630, -7.7540,
30.4060

 236.8030, 8.5250,
16.2130

 6.1560, -17.3340,
16.7940

253.8260, 0.5500,

 4.7080, -10.5010,

1.0460

8.5950

■ 0.3420, -0.9630,
0.9330

■ 0.0000, 0.0000,
0.0000

■ 104.2450, 21.3060,
76.4580

■ 104.2450, 21.3060,
76.4580

■ 90.4230, 24.1010,
86.3810

■ 118.0670, 18.5110,
66.5350

■ 76.6010, 26.8960,
96.3040

■ 131.8890, 15.7160,
56.6120

■ 71.8940, 27.6290,
99.5410

■ 145.7110, 12.9210,
46.6890

■ 159.5330, 10.1260,
36.7660

■ 173.3550, 7.3310,
26.8430

■ 187.7640, 4.2610,
16.3970

■ 201.8850, 2.0620,
6.6860

■ 215.7070, -0.7330,
-3.2370

■ 229.5290, -3.5280,
-13.1600

Harmonies

Analogous

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



88.9440, -109.9050, 25.9590



104.2450, 21.3060, 76.4580



84.3170, 91.8650, 91.7770

Triad

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



104.2450, 21.3060, 76.4580



104.1700, 66.0260, -18.1820



100.6480, -90.5020, -22.8380

Complementary

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



104.2450, 21.3060, 76.4580



155.7550, -21.3060, -76.4580

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.



90.2400, -63.9510, -46.9830



104.2450, 21.3060, 76.4580



97.0290, 17.1100, -45.7860

Square

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



104.2450, 21.3060, 76.4580



92.1290, 109.9430, 17.4230



78.6580, -36.8500, -70.0820



107.6990, -111.7340, -1.4780

Rectangle

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



104.2450, 21.3060, 76.4580



81.3080, 113.2790, 78.1350



78.6580, -36.8500, -70.0820



97.6840, -82.1560, -30.9240

Sweetspot

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



104.2450, 21.3060, 76.4580



216.1810, 7.8810, 27.8890



90.9480, -63.0020, 29.4620



104.1770, 4.5360, 16.9200



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.



104.2450, 21.3060, 76.4580



100.3110, 31.2490, 111.0330



111.2320, 57.7110, 71.9750



97.6460, 1.2370, 5.1170



57.4240, 22.3600, 79.3840



13.9430, 5.3150, 19.3230

Inverse Universe

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



101.8840, 84.0330, 46.4730



96.7630, 121.7630, 67.5470



148.6540, -57.3900, -72.2860



97.6310, 5.5930, 3.2650



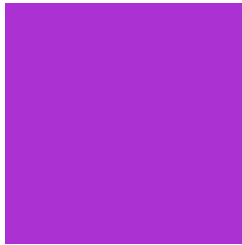
54.7920, 87.2880, 48.0560



13.3990, 21.2260, 11.8020

Previews

White Background



This preview shows how the YIQ color 104.2450, 21.3060, 76.4580 looks on a white background.

Color Contrast Check

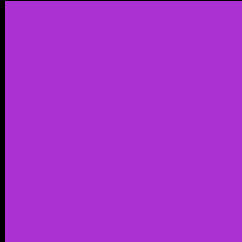
Large Text (above 18pt) WCAG AA ✓ Pass

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 104.2450, 21.3060, 76.4580 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

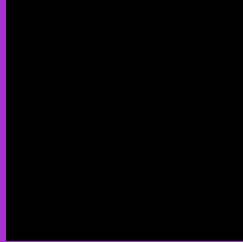
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

YIQ 104.2450, 21.3060, 76.4580

Background



This preview shows how black text looks on a background with the YIQ color 104.2450, 21.3060, 76.4580.



This preview shows how white text looks on a background with the YIQ color 104.2450, 21.3060,

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

104.2450, 21.3060, 76.4580

Protanopia

88.5730, -101.9710, 14.3250

Deuteranopia

89.1310, -95.2750, 3.1010



Tritanopia

111.9340, 35.8970, 15.7450

Trichromacy



Original Color

104.2450, 21.3060, 76.4580



Protanomaly

94.5130, -57.0430, 37.1090



Deuteranomaly

94.9230, -52.6860, 29.7300



Tritanomaly

109.0100, 30.7120, 38.1360

Monochromacy



Original Color

104.2450, 21.3060, 76.4580



Achromatopsia

104.0000, -0.0000, -0.0000



Achromatomaly

104.1810, 7.8810, 27.8890

CSS Examples

Text

The CSS property to change the color of the text to YIQ 104.2450, 21.3060, 76.4580 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(172, 49, 211)` looks like.

```
.text, #text, p{  
    color:rgb(172, 49, 211)  
}
```

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(172, 49, 211) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(172, 49, 211) }
```

Border

The CSS property to change the border of an element to YIQ 104.2450, 21.3060, 76.4580 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(172, 49, 211) }
```


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

```
.border{ border-color:rgb(172, 49, 211) }
```

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

Here you see how a box with a 4 pixel `rgb(172, 49, 211)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(172, 49, 211); -webkit-box-  
shadow:4px 4px 4px 4px rgb(172, 49, 211);  
box-shadow:4px 4px 4px 4px rgb(172, 49,  
211) }
```

Background

The CSS property to change the background color of an element to YIQ 104.2450, 21.3060, 76.4580 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(172, 49, 211) }
```

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

```
.background{ background-color: rgb(172, 49,  
211) }
```

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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