

Converting Colors

YIQ(105.6810, 21.6330, 42.9850)

Have a look what the booklet for
YIQ(105.6810, 21.6330, 42.9850)
contains.

YIQ(105.6810, 21.6330, 42.9850)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**YIQ(105.6810, 21.6330,
42.9850)**

Conversions

Conversions Part 1

Format	Color
Hex	99489B
RGB	153, 72, 155
RGB Percent	60%, 28%, 61%
CMY	0.3998, 0.7178, 0.3921
CMYK	0.01, 0.54, 0.00, 0.39
HSL	299°, 37%, 45%
HSV	299°, 54%, 61%
XYZ	21.3807, 13.7755, 32.5448
YIQ	105.6810, 21.6330, 42.9850

Conversions

Conversions Part 2

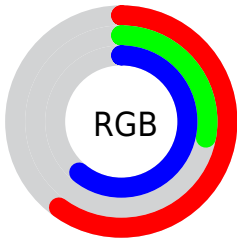
Format	Color
RYB	153, 72, 155
Decimal	10045595
CIELab	43.91, 45.86, -30.43
CIELCh	44, 55.036, 326.432
Yxy	13.7755, 0.3158, 0.2035
Android (android.graphics.Color)	4288235675 (0xFF99489B)
YUV	105.6810, 24.3143, 41.4988
Hunter-Lab	37.1153, 37.8750, -26.0081

Details

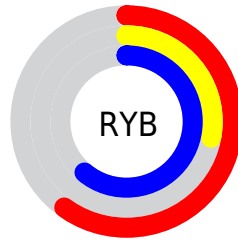
The YIQ color **105.6810, 21.6330, 42.9850** is a dark color, and the websafe version is hex **993399**. A complement of this color would be **121.3190, -21.6330, -42.9850**, and the grayscale version is **105.0000, 0.0000, 0.0000**.

A 20% lighter version of the original color is **159.2190, 23.0540, 44.7660**, and **51.3220, 21.2660, 44.1300** is the 20% darker color. If you saturate the color by 10%, you get **96.2890, 26.0330, 51.3530**, and if you desaturate by 10%, it is **114.4860, 17.5080, 35.1400**.

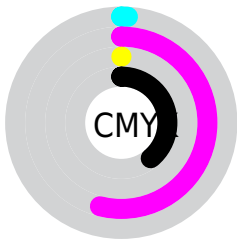
Distribution



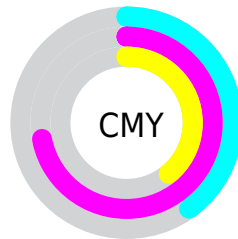
- Red (60%)
- Green (28%)
- Blue (61%)



- Red (60%)
- Yellow (28%)
- Blue (61%)



- Cyan (1%)
- Magenta (54%)
- Yellow (0%)
- Black (39%)





- Cyan (40%)
- Magenta (72%)
- Yellow (39%)

Brightness & Saturation Gradients


These gradients show how the YIQ color 105.6810, 21.6330, 42.9850 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 105.6810, 21.6330, 42.9850 by changing the saturation by 10% instead.


 105.6810, 21.6330,
42.9850


 105.6810, 21.6330,
42.9850


255.0000, -0.0000,
-0.0000


 79.3820, 21.0370,
42.7730


 159.2190, 23.0540,
44.7660

 51.3220, 21.2660,
44.1300

 186.9310, 23.9250,
45.5010

 31.1320, 18.7450,
40.2570


 210.3880, 20.9000,
39.7480

 21.0350, 11.2280,
27.8040

 226.8240, 13.2000,
25.1040

 10.4540, 2.1980,
15.2380

 243.2600, 5.5000,
10.4600

 0.7980, -2.2470,
2.1770

 0.0000, 0.0000,

0.0000

■ 105.6810, 21.6330,
42.9850

■ 105.6810, 21.6330,
42.9850

■ 96.2890, 26.0330,
51.3530

■ 114.4860, 17.5080,
35.1400

■ 87.1850, 29.5620,
58.9860

■ 124.1770, 13.7040,
26.9840

■ 77.7930, 33.9620,
67.3540

■ 132.9820, 9.5790,
19.1390

■ 68.9880, 38.0870,
75.1990

■ 142.6730, 5.7750,
10.9830

■ 62.8190, 40.2410,
80.2170

■ 151.4780, 1.6500,
3.1380

■ 160.8700, -2.7500,
-5.2300

■ 169.9740, -6.2790,
-12.8630

■ 179.3660,
-10.6790, -21.2310

■ 188.1710,
-14.8040, -29.0760

Harmonies

Analogous

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



103.5910, -31.3200, 27.9760



105.6810, 21.6330, 42.9850



99.6450, 56.8450, 43.6050

Triad

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



105.6810, 21.6330, 42.9850



97.5700, 49.9800, -24.7400



89.0900, -80.0030, -20.3790

Complementary

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



105.6810, 21.6330, 42.9850



121.3190, -21.6330, -42.9850

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.



83.8460, -65.2370, -34.6850



105.6810, 21.6330, 42.9850



92.0450, 20.1810, -40.8670

Square

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



105.6810, 21.6330, 42.9850



99.0200, 67.1690, -0.3430



76.7270, -49.3250, -47.7330



91.5470, -91.0550, -7.3030

Rectangle

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



105.6810, 21.6330, 42.9850



98.0080, 68.5840, 34.6000



76.7270, -49.3250, -47.7330



87.9670, -75.4630, -25.5670

Sweetspot

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



105.6810, 21.6330, 42.9850



182.2160, 8.8000, 16.7360



83.2230, -27.4680, 24.2440



90.8470, 5.2250, 9.9370



230.0000, -0.0000, 0.0000



102.0000, -0.0000, -0.0000

Same Dimension

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



105.6810, 21.6330, 42.9850



124.9670, 33.4120, 66.3080



101.8330, 35.3440, 31.2800



72.0050, 1.6040, 3.9720



56.9230, 36.7120, 72.5840



5.0700, 2.9790, 6.5870

Inverse Universe

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



97.0450, 48.8260, 18.2180



111.6140, 75.3250, 28.0690



125.1670, -35.3440, -31.2800



71.3920, 4.7680, 1.6960



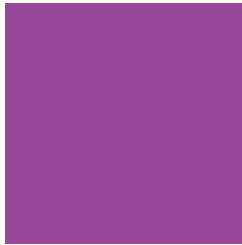
42.2020, 82.4770, 30.6130



3.8870, 7.7480, 2.7560

Previews

White Background



This preview shows how the YIQ color 105.6810, 21.6330, 42.9850 looks on a white background.

Color Contrast Check

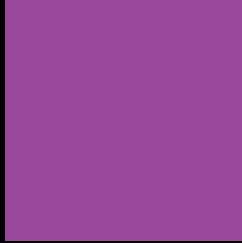
Large Text (above 18pt) WCAG AA ✓ Pass

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 105.6810, 21.6330, 42.9850 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

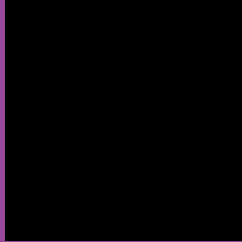
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

YIQ 105.6810, 21.6330, 42.9850

Background



This preview shows how black text looks on a background with the YIQ color 105.6810, 21.6330, 42.9850.



This preview shows how white text looks on a background with the YIQ color 105.6810, 21.6330,

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

105.6810, 21.6330, 42.9850

Protanopia

101.1390, -45.0270, 17.5730

Deuteranopia

103.4600, -24.3020, 10.9140



Tritanopia

106.0260, 32.6420, 14.1620

Trichromacy



Original Color

105.6810, 21.6330, 42.9850

Protanomaly

102.9250, -20.6370, 27.0990

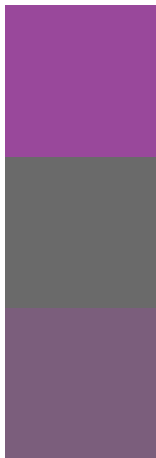
Deuteranomaly

104.4070, -7.6150, 22.3770

Tritanomaly

105.9090, 29.0180, 24.7780

Monochromacy



Original Color

105.6810, 21.6330, 42.9850

Achromatopsia

106.0000, -0.0000, -0.0000

Achromatomaly

106.0910, 7.6540, 15.4780

CSS Examples

Text

The CSS property to change the color of the text to YIQ 105.6810, 21.6330, 42.9850 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(153, 72, 155)` looks like.

```
.text, #text, p{  
    color:rgb(153, 72, 155)  
}
```

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(153, 72, 155) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(153, 72, 155) }
```

Border

The CSS property to change the border of an element to YIQ 105.6810, 21.6330, 42.9850 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(153, 72, 155) }
```


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

```
.border{ border-color:rgb(153, 72, 155) }
```

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

Here you see how a box with a 4 pixel `rgb(153, 72, 155)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(153, 72, 155); -webkit-box-  
shadow:4px 4px 4px 4px rgb(153, 72, 155);  
box-shadow:4px 4px 4px 4px rgb(153, 72,  
155) }
```

Background

The CSS property to change the background color of an element to YIQ 105.6810, 21.6330, 42.9850 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(153, 72, 155) }
```

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

```
.background{ background-color: rgb(153, 72,  
155) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor