

Converting Colors

YIQ(117.8990, 17.7830, 35.6630)

Have a look what the booklet for
YIQ(117.8990, 17.7830, 35.6630)
contains.

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Color

**YIQ(117.8990, 17.7830,
35.6630)**

Conversions

Conversions Part 1

Format	Color
Hex	9D5A9F
RGB	157, 90, 159
RGB Percent	62%, 35%, 62%
CMY	0.3841, 0.6472, 0.3765
CMYK	0.01, 0.43, 0.00, 0.38
HSL	298°, 28%, 49%
HSV	298°, 43%, 62%
XYZ	23.8269, 16.9843, 34.8253
YIQ	117.8990, 17.7830, 35.6630

Conversions

Conversions Part 2

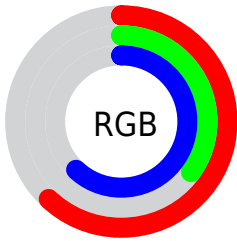
Format	Color
R _Y B	157, 90, 159
Decimal	10312351
CIE Lab	48.24, 38.37, -26.02
CIE LCh	48, 46.359, 325.861
Yxy	16.9843, 0.3150, 0.2246
Android (android.graphics.Color)	4288502431 (0xFF9D5A9F)
YUV	117.8990, 20.2628, 34.2916
Hunter-Lab	41.2120, 31.0797, -21.2535

Details

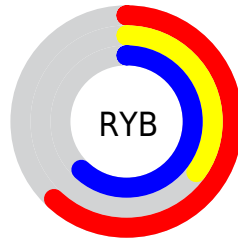
The YIQ color **117.8990, 17.7830, 35.6630** is a dark color, and the websafe version is hex **996699**. A complement of this color would be **131.1010, -17.7830, -35.6630**, and the grayscale version is **118.0000, 0.0000, -0.0000**.

A 20% lighter version of the original color is **171.4370, 19.2040, 37.4440**, and **66.7740, 16.6370, 34.4050** is the 20% darker color. If you saturate the color by 10%, you get **108.5070, 22.1830, 44.0310**, and if you desaturate by 10%, it is **127.5900, 13.9790, 27.5070**.

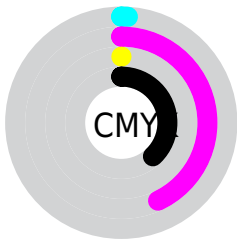
Distribution



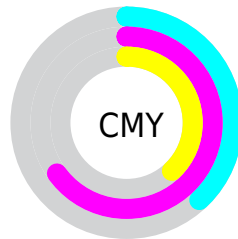
- Red (62%)
- Green (35%)
- Blue (62%)



- Red (62%)
- Yellow (35%)
- Blue (62%)



- Cyan (1%)
- Magenta (43%)
- Yellow (0%)
- Black (38%)



- Cyan (38%)
- Magenta (65%)
- Yellow (38%)

Brightness & Saturation Gradients

These gradients show how the YIQ color 117.8990, 17.7830, 35.6630 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 117.8990, 17.7830, 35.6630 by changing the saturation by 10% instead.

■ 117.8990, 17.7830,
35.6630

■ 117.8990, 17.7830,
35.6630

■ 255.0000, -0.0000,
-0.0000

■ 92.1870, 16.9120,
34.9280

■ 171.4370, 19.2040,
37.4440

■ 66.7740, 16.6370,
34.4050

■ 199.1490, 20.0750,
38.1790

■ 41.0020, 15.9950,
35.0270

■ 220.9540, 15.9500,
30.3340

■ 22.8720, 13.2450,
29.7970

■ 237.3900, 8.2500,
15.6900

■ 14.1990, 7.4700,
18.8140

■ 254.4130, 0.2750,
0.5230

■ 2.1830, -4.7690,
3.8310

■ 0.0000, 0.0000,

0.0000

■ 117.8990, 17.7830,
35.6630

■ 117.8990, 17.7830,
35.6630

■ 108.5070, 22.1830,
44.0310

■ 127.5900, 13.9790,
27.5070

■ 98.8160, 25.9870,
52.1870

■ 136.9820, 9.5790,
19.1390

■ 89.4240, 30.3870,
60.5550

■ 146.3740, 5.1790,
10.7710

■ 79.7330, 34.1910,
68.7110

■ 156.0650, 1.3750,
2.6150

■ 70.3410, 38.5910,
77.0790

■ 164.8700, -2.7500,
-5.2300

■ 64.4710, 41.3410,
82.3090

■ 174.5610, -6.5540,
-13.3860

■ 183.9530,
-10.9540, -21.7540

■ 193.6440,
-14.7580, -29.9100

■ 203.0360,
-19.1580, -38.2780

Harmonies

Analogous

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



115.0060, -25.3590, 24.5690



117.8990, 17.7830, 35.6630



114.6990, 47.5850, 35.2090

Triad

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



117.8990, 17.7830, 35.6630



110.4370, 43.2850, -19.0430



94.9430, -84.0830, -23.5310

Complementary

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



117.8990, 17.7830, 35.6630



131.1010, -17.7830, -35.6630

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.



90.3830, -71.2430, -35.9710



117.8990, 17.7830, 35.6630



106.5580, 14.7230, -30.0530

Square

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



117.8990, 17.7830, 35.6630



112.5830, 58.2740, 1.1700



99.0120, -27.7780, -36.2420



96.1290, -92.9340, -11.7980

Rectangle

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



117.8990, 17.7830, 35.6630



112.8170, 58.6360, 27.6600



99.0120, -27.7780, -36.2420



94.0480, -80.1850, -28.0970

Sweetspot

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



117.8990, 17.7830, 35.6630



190.8520, 6.8290, 13.9090



99.0400, -22.6990, 20.4130



94.7220, 4.0790, 8.6790



232.0000, -0.0000, 0.0000



105.0000, 0.0000, 0.0000

Same Dimension

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



117.8990, 17.7830, 35.6630



142.7070, 27.9120, 55.8480



114.8490, 29.2470, 26.1350



74.3040, 2.2000, 4.1840



57.8630, 36.9410, 73.9410



6.1950, 4.1250, 7.8450

Inverse Universe

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



110.8590, 40.4820, 15.2500



131.6340, 63.4050, 23.8290



134.1510, -29.2470, -26.1350



73.3920, 4.7680, 1.6960



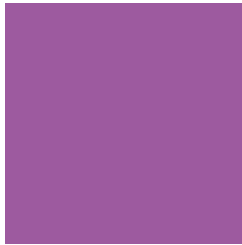
43.2130, 83.9440, 31.5600



4.4850, 8.9400, 3.1800

Previews

White Background



This preview shows how the YIQ color 117.8990, 17.7830, 35.6630 looks on a white background.

Color Contrast Check

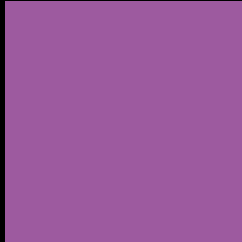
Large Text (above 18pt) WCAG AA ✓ Pass

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 117.8990, 17.7830, 35.6630 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

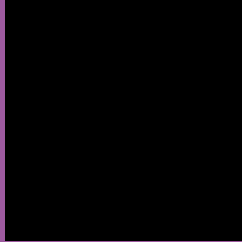
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

YIQ 117.8990, 17.7830, 35.6630

Background



This preview shows how black text looks on a background with the YIQ color 117.8990, 17.7830, 35.6630.



This preview shows how white text looks on a background with the YIQ color 117.8990, 17.7830,

35.6630.

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

117.8990, 17.7830, 35.6630

Protanopia

114.1310, -33.3810, 15.7630

Deuteranopia

115.0970, -18.8460, 11.1540



Tritanopia

116.8620, 27.2320, 13.0880

Trichromacy



Original Color

117.8990, 17.7830, 35.6630

Protanomaly

115.8130, -14.6300, 22.8580

Deuteranomaly

116.1960, -5.6430, 19.6770

Tritanomaly

117.1640, 23.7460, 21.2020

Monochromacy



Original Color

117.8990, 17.7830, 35.6630

Achromatopsia

118.0000, 0.0000, -0.0000

Achromatomaly

118.0260, 6.2790, 12.8630

CSS Examples

Text

The CSS property to change the color of the text to YIQ 117.8990, 17.7830, 35.6630 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(157, 90, 159)` looks like.

```
.text, #text, p{  
    color:rgb(157, 90, 159)  
}
```

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(157, 90, 159) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(157, 90, 159) }
```

Border

The CSS property to change the border of an element to YIQ 117.8990, 17.7830, 35.6630 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(157, 90, 159) }
```


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

```
.border{ border-color:rgb(157, 90, 159) }
```

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

Here you see how a box with a 4 pixel `rgb(157, 90, 159)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(157, 90, 159); -webkit-box-  
shadow:4px 4px 4px 4px rgb(157, 90, 159);  
box-shadow:4px 4px 4px 4px rgb(157, 90,  
159) }
```

Background

The CSS property to change the background color of an element to YIQ 117.8990, 17.7830, 35.6630 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(157, 90, 159) }
```

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

```
.background{ background-color: rgb(157, 90,  
159) }
```

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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