

Converting Colors

YIQ(115.9730, 33.2750, 63.2830)

Have a look what the booklet for
YIQ(115.9730, 33.2750, 63.2830)
contains.

YIQ(115.9730, 33.2750, 63.2830)	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(115.9730, 33.2750,
63.2830)**

Conversions

Conversions Part 1

Format	Color
Hex	BB42BB
RGB	187, 66, 187
RGB Percent	73%, 26%, 73%
CMY	0.2663, 0.7414, 0.2666
CMYK	0.00, 0.65, 0.00, 0.27
HSL	300°, 48%, 50%
HSV	300°, 65%, 73%
XYZ	31.4321, 18.0553, 48.8476
YIQ	115.9730, 33.2750, 63.2830

Conversions

Conversions Part 2

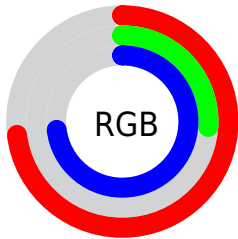
Format	Color
R _Y B	187, 66, 187
Decimal	12272315
CIE Lab	49.56, 63.17, -40.07
CIE LCh	50, 74.801, 327.613
Yxy	18.0553, 0.3196, 0.1836
Android (android.graphics.Color)	4290462395 (0xFFBB42BB)
YUV	115.9730, 35.0163, 62.2907
Hunter-Lab	42.4915, 57.6812, -38.4148

Details

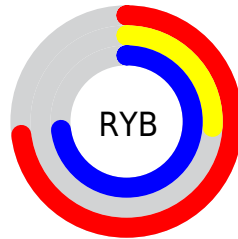
The YIQ color **115.9730, 33.2750, 63.2830** is a dark color, and the websafe version is hex **993399**. A complement of this color would be **137.0270, -33.2750, -63.2830**, and the grayscale version is **116.0000, -0.0000, 0.0000**.

A 20% lighter version of the original color is **172.9840, 34.7420, 64.2300**, and **54.0320, 34.7870, 68.9230** is the 20% darker color. If you saturate the color by 10%, you get **104.8200, 38.5000, 73.2200**, and if you desaturate by 10%, it is **127.1260, 28.0500, 53.3460**.

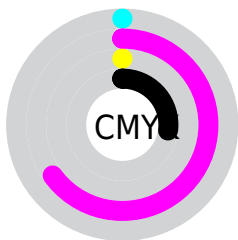
Distribution



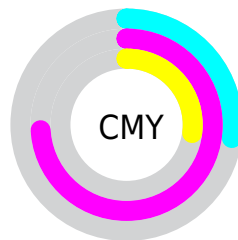
- Red (73%)
- Green (26%)
- Blue (73%)



- Red (73%)
- Yellow (26%)
- Blue (73%)



- Cyan (0%)
- Magenta (65%)
- Yellow (0%)
- Black (27%)



- Cyan (27%)
- Magenta (74%)
- Yellow (27%)

Brightness & Saturation Gradients

These gradients show how the YIQ color 115.9730, 33.2750, 63.2830 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 115.9730, 33.2750, 63.2830 by changing the saturation by 10% instead.

115.9730, 33.2750,
63.2830

115.9730, 33.2750,
63.2830

255.0000, -0.0000,
-0.0000

85.4400, 33.4580,
65.4740

172.9840, 34.7420,
64.2300

54.0320, 34.7870,
68.9230

193.9520, 28.6000,
54.3920

42.9950, 27.0410,
55.1130

210.3880, 20.9000,
39.7480

32.1860, 18.6530,
41.9250

227.4110, 12.9250,
24.5810

22.2740, 12.0530,
29.3730

244.4340, 4.9500,
9.4140

9.4860, -0.8280,
15.0120

1.3680, -3.8520,

3.7320

■ 0.0000, 0.0000,
0.0000

■ 115.9730, 33.2750,
63.2830

■ 115.9730, 33.2750,
63.2830

■ 104.8200, 38.5000,
73.2200

■ 127.1260, 28.0500,
53.3460

■ 94.2540, 43.4500,
82.6340

■ 137.6920, 23.1000,
43.9320

■ 83.1010, 48.6750,
92.5710

■ 148.8450, 17.8750,
33.9950

■ 77.2310, 51.4250,
97.8010

■ 159.9980, 12.6500,
24.0580

■ 171.1510, 7.4250,
14.1210

■ 181.7170, 2.4750,
4.7070

■ 192.8700, -2.7500,
-5.2300

■ 204.0230, -7.9750,
-15.1670

■ 214.5890,
-12.9250, -24.5810

Harmonies

Analogous

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



115.6130, -45.5810, 38.6350



115.9730, 33.2750, 63.2830



97.4770, 84.7620, 71.8180

Triad

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



115.9730, 33.2750, 63.2830



110.8710, 56.2620, -28.4580



105.0650, -96.0500, -21.4100

Complementary

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



115.9730, 33.2750, 63.2830



137.0270, -33.2750, -63.2830

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.



97.1820, -75.2310, -40.7910



115.9730, 33.2750, 63.2830



102.3120, 14.6350, -50.4930

Square

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



115.9730, 33.2750, 63.2830



107.9010, 92.2490, -3.3270



86.9680, -51.9820, -60.1580



108.4170, -111.0000, -3.7680

Rectangle

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



115.9730, 33.2750, 63.2830



97.4070, 98.9780, 56.4660



86.9680, -51.9820, -60.1580



102.7850, -89.6300, -27.6300

Sweetspot

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



115.9730, 33.2750, 63.2830



214.9980, 12.6500, 24.0580



79.7940, -38.8410, 37.6310



105.5640, 7.7000, 14.6440



250.0000, 0.0000, 0.0000



122.0000, 0.0000, -0.0000

Same Dimension

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



115.9730, 33.2750, 63.2830



131.0570, 51.9750, 98.8470



109.1330, 52.5350, 44.6230



88.7170, 2.4750, 4.7070



65.2540, 43.4500, 82.6340



12.8030, 8.5250, 16.2130

Inverse Universe

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



115.9730, 33.2750, 63.2830



131.0570, 51.9750, 98.8470



143.9810, -52.8560, -44.3120



88.7170, 2.4750, 4.7070



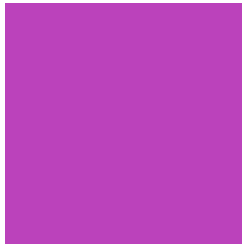
65.2540, 43.4500, 82.6340



12.8030, 8.5250, 16.2130

Previews

White Background



This preview shows how the YIQ color 115.9730, 33.2750, 63.2830 looks on a white background.

Color Contrast Check

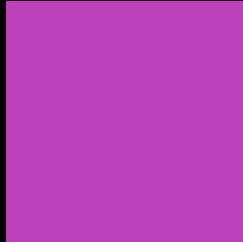
Large Text (above 18pt) WCAG AA ✓ Pass

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 115.9730, 33.2750, 63.2830 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

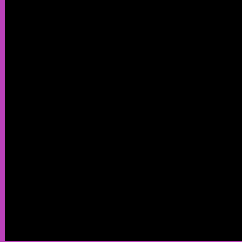
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

YIQ 115.9730, 33.2750, 63.2830

Background



This preview shows how black text looks on a background with the YIQ color 115.9730, 33.2750, 63.2830.



This preview shows how white text looks on a background with the YIQ color 115.9730, 33.2750,

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

115.9730, 33.2750, 63.2830

Protanopia

107.1200, -78.4060, 22.2820

Deuteranopia

116.5820, -36.2690, 13.0350



Tritanopia

118.8000, 48.1380, 19.6740

Trichromacy



Original Color

115.9730, 33.2750, 63.2830



Protanomaly

110.5660, -38.1990, 37.0090



Deuteranomaly

116.2360, -11.1470, 31.3250



Tritanomaly

117.7740, 43.0000, 35.7040

Monochromacy



Original Color

115.9730, 33.2750, 63.2830



Achromatopsia

116.0000, -0.0000, 0.0000



Achromatomaly

116.1720, 12.1000, 23.0120

CSS Examples

Text

The CSS property to change the color of the text to YIQ 115.9730, 33.2750, 63.2830 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(187, 66, 187)` looks like.

```
.text, #text, p{  
    color:rgb(187, 66, 187)  
}
```

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(187, 66, 187) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(187, 66, 187) }
```

Border

The CSS property to change the border of an element to YIQ 115.9730, 33.2750, 63.2830 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(187, 66, 187) }
```


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

```
.border{ border-color:rgb(187, 66, 187) }
```

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

Here you see how a box with a 4 pixel `rgb(187, 66, 187)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(187, 66, 187); -webkit-box-  
shadow:4px 4px 4px 4px rgb(187, 66, 187);  
box-shadow:4px 4px 4px 4px rgb(187, 66,  
187) }
```

Background

The CSS property to change the background color of an element to YIQ 115.9730, 33.2750, 63.2830 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(187, 66, 187) }
```

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

```
.background{ background-color: rgb(187, 66,  
187) }
```

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