

Converting Colors

YIQ(117.7100, 32.9980, 73.8140)

Have a look what the booklet for
YIQ(117.7100, 32.9980, 73.8140)
contains.

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Color

**YIQ(117.7100, 32.9980,
73.8140)**

Conversions

Conversions Part 1

Format	Color
Hex	C33DCF
RGB	195, 61, 207
RGB Percent	76%, 24%, 81%
CMY	0.2349, 0.7610, 0.1882
CMYK	0.06, 0.71, 0.00, 0.19
HSL	295°, 60%, 53%
HSV	295°, 71%, 81%
XYZ	35.4615, 19.4528, 60.9201
YIQ	117.7100, 32.9980, 73.8140

Conversions

Conversions Part 2

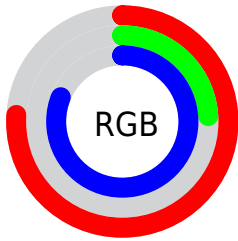
Format	Color
R_{YB}	195, 61, 207
Decimal	12795343
CIE _{Lab}	51.21, 70.24, -48.92
CIE _{LCh}	51, 85.596, 325.145
Yxy	19.4528, 0.3061, 0.1679
Android (android.graphics.Color)	4290985423 (0xFFC33DCF)
YUV	117.7100, 44.0200, 67.7833
Hunter-Lab	44.1053, 66.3331, -51.0202

Details

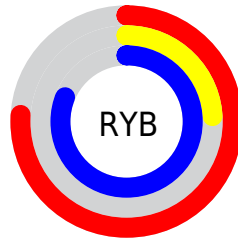
The YIQ color **117.7100, 32.9980, 73.8140** is a light color, and the websafe version is hex **CC33CC**. The color can be described as light muted magenta. A complement of this color would be **150.2900, -32.9980, -73.8140**, and the grayscale version is **117.0000, -0.0000, 0.0000**.

A 20% lighter version of the original color is **175.7550, 37.1250, 70.6050**, and **58.2910, 32.8600, 76.3160** is the 20% darker color. If you saturate the color by 10%, you get **104.7850, 37.5810, 84.3730**, and if you desaturate by 10%, it is **130.6350, 28.4150, 63.2550**.

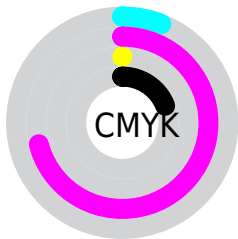
Distribution



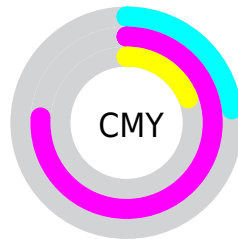
- Red (76%)
- Green (24%)
- Blue (81%)



- Red (76%)
- Yellow (24%)
- Blue (81%)



- Cyan (6%)
- Magenta (71%)
- Yellow (0%)
- Black (19%)



- Cyan (23%)
- Magenta (76%)
- Yellow (19%)

Brightness & Saturation Gradients

These gradients show how the YIQ color 117.7100, 32.9980, 73.8140 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 117.7100, 32.9980, 73.8140 by changing the saturation by 10% instead.

■ 117.7100, 32.9980,
73.8140

■ 117.7100, 32.9980,
73.8140

■ 255.0000, -0.0000,
-0.0000

■ 84.1280, 34.8770,
78.3090

■ 175.7550, 37.1250,
70.6050

■ 58.2910, 32.8600,
76.3160

■ 192.7780, 29.1500,
55.4380

■ 46.8410, 24.8390,
61.9830

■ 209.2140, 21.4500,
40.7940

■ 35.6190, 16.1760,
48.2720

■ 226.2370, 13.4750,
25.6270

■ 25.2940, 9.3010,
35.1970

■ 243.8470, 5.2250,
9.9370

■ 13.2890, -1.4710,
21.1610

■ 4.4800, -9.8590,

7.9730

■ 0.0000, 0.0000,
0.0000

■ 117.7100, 32.9980,
73.8140

■ 117.7100, 32.9980,
73.8140

■ 104.7850, 37.5810,
84.3730

■ 130.6350, 28.4150,
63.2550

■ 92.7460, 42.4850,
94.6210

■ 142.6740, 23.5110,
53.0070

■ 80.4080, 46.7930,
104.6570

■ 155.5990, 18.9280,
42.4480

■ 168.5240, 14.3450,
31.8890

■ 180.8620, 10.0370,
21.8530

■ 193.4880, 4.8580,
11.0820

■ 206.4130, 0.2750,
0.5230

■ 219.3380, -4.3080,
-10.0360

■ 231.3770, -9.2120,
-20.2840

Harmonies

Analogous

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



113.9940, -68.6430, 38.0850



117.7100, 32.9980, 73.8140



87.3780, 99.0630, 93.4870

Triad

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



117.7100, 32.9980, 73.8140



115.0460, 63.1390, -26.4370



110.0860, -100.5430, -22.5830

Complementary

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



117.7100, 32.9980, 73.8140



150.2900, -32.9980, -73.8140

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.



100.8350, -75.8720, -45.6960



117.7100, 32.9980, 73.8140



106.1440, 15.0480, -52.4720

Square

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



117.7100, 32.9980, 73.8140



110.0490, 103.7560, 2.8920



88.2100, -47.2120, -69.5160



115.1650, -118.9780, -2.3540

Rectangle

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



117.7100, 32.9980, 73.8140



83.7000, 118.0470, 79.8310



88.2100, -47.2120, -69.5160



107.2360, -92.5180, -30.3580

Sweetspot

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



117.7100, 32.9980, 73.8140



222.1060, 12.4660, 27.3940



84.6880, -50.1660, 39.1300



108.3190, 7.0120, 16.1000



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.



117.7100, 32.9980, 73.8140



122.2390, 48.9470, 109.6750



114.3440, 59.7310, 57.3870



98.2440, 2.4290, 5.5410



65.4970, 38.4520, 85.1080



15.7370, 8.8910, 20.5950

Inverse Universe

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



106.0220, 83.1640, 34.6840



104.9350, 123.5540, 51.6020



153.6560, -59.7310, -57.3870



97.4030, 6.2350, 2.6430



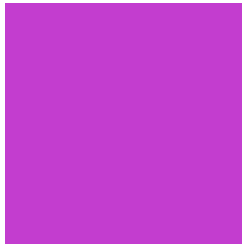
51.8280, 95.6340, 39.9700



12.6010, 23.4730, 9.6250

Previews

White Background



This preview shows how the YIQ color 117.7100, 32.9980, 73.8140 looks on a white background.

Color Contrast Check

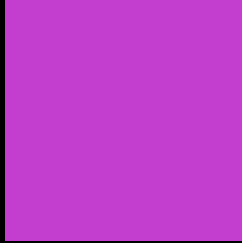
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



This preview shows how the YIQ color 117.7100, 32.9980, 73.8140 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

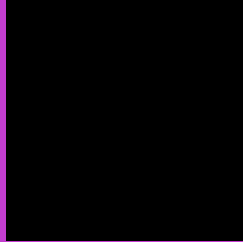
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

YIQ 117.7100, 32.9980, 73.8140

Background



This preview shows how black text looks on a background with the YIQ color 117.7100, 32.9980, 73.8140.



This preview shows how white text looks on a background with the YIQ color 117.7100, 32.9980,

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

117.7100, 32.9980, 73.8140

Protanopia

97.8800, -113.0210, 16.3470

Deuteranopia

118.2800, -49.9780, 13.6860



Tritanopia

122.5120, 49.0090, 20.4090

Trichromacy



Original Color

117.7100, 32.9980, 73.8140



Protanomaly

104.9580, -59.7940, 37.4060



Deuteranomaly

117.7930, -19.9050, 35.8630



Tritanomaly

120.7080, 43.3660, 40.0860

Monochromacy



Original Color

117.7100, 32.9980, 73.8140



Achromatopsia

118.0000, 0.0000, -0.0000



Achromatomaly

117.6930, 12.1910, 26.8710

CSS Examples

Text

The CSS property to change the color of the text to YIQ 117.7100, 32.9980, 73.8140 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(195, 61, 207)` looks like.

```
.text, #text, p{  
    color:rgb(195, 61, 207)  
}
```

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(195, 61, 207) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(195, 61, 207) }
```

Border

The CSS property to change the border of an element to YIQ 117.7100, 32.9980, 73.8140 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(195, 61, 207) }
```


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

```
.border{ border-color:rgb(195, 61, 207) }
```

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

Here you see how a box with a 4 pixel `rgb(195, 61, 207)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(195, 61, 207); -webkit-box-  
shadow:4px 4px 4px 4px rgb(195, 61, 207);  
box-shadow:4px 4px 4px 4px rgb(195, 61,  
207) }
```

Background

The CSS property to change the background color of an element to YIQ 117.7100, 32.9980, 73.8140 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(195, 61, 207) }
```

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

```
.background{ background-color: rgb(195, 61,  
207) }
```

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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