

Converting Colors

YIQ(117.1030, -7.5330, 75.9790)

Have a look what the booklet for
YIQ(117.1030, -7.5330, 75.9790)
contains.

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Color

**YIQ(117.1030, -7.5330,
75.9790)**

Conversions

Conversions Part 1

Format	Color
Hex	9D46FF
RGB	157, 70, 255
RGB Percent	62%, 27%, 100%
CMY	0.3840, 0.7256, 0.0002
CMYK	0.38, 0.73, 0.00, 0.00
HSL	268°, 100%, 64%
HSV	268°, 73%, 100%
XYZ	34.1515, 18.7693, 96.3933
YIQ	117.1030, -7.5330, 75.9790

Conversions

Conversions Part 2

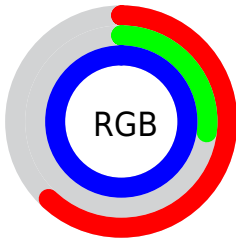
Format	Color
R _Y B	157, 70, 255
Decimal	10307327
CIE _{Lab}	50.42, 69.19, -77.53
CIE _{LCh}	50, 103.911, 311.745
Y _{xy}	18.7693, 0.2287, 0.1257
Android (android.graphics.Color)	4288497407 (0xFF9D46FF)
Y _{UV}	117.1030, 67.9832, 34.9897
Hunter-Lab	43.3236, 64.8931, -101.5915

Details

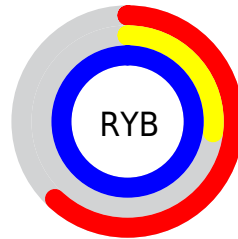
The YIQ color **117.1030, -7.5330, 75.9790** is a light color, and the websafe version is hex **9933FF**. The color can be described as light washed purple. A complement of this color would be **207.8970, 7.5330, -75.9790**, and the grayscale version is **116.0000, -0.0000, 0.0000**.

A 20% lighter version of the original color is **167.6270, 13.6980, 60.1460**, and **51.1620, -6.0210, 81.6190** is the 20% darker color. If you saturate the color by 10%, you get **97.9540, -8.1310, 86.8210**, and if you desaturate by 10%, it is **135.9640, -6.0640, 65.8720**.

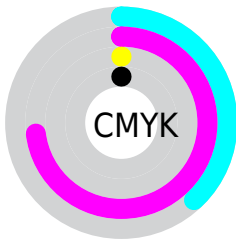
Distribution



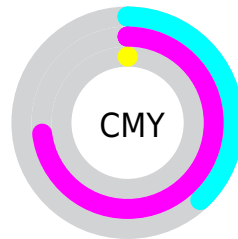
- Red (62%)
- Green (27%)
- Blue (100%)



- Red (62%)
- Yellow (27%)
- Blue (100%)



- Cyan (38%)
- Magenta (73%)
- Yellow (0%)
- Black (0%)



- Cyan (38%)
- Magenta (73%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the YIQ color 117.1030, -7.5330, 75.9790 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 117.1030, -7.5330, 75.9790 by changing the saturation by 10% instead.

■ 117.1030, -7.5330,
75.9790

■ 117.1030, -7.5330,
75.9790

■ 255.0000, -0.0000,
-0.0000

■ 87.2170, -7.8540,
76.2900

■ 167.6270, 13.6980,
60.1460

■ 51.1620, -6.0210,
81.6190

■ 193.0330, 23.8780,
51.8620

■ 38.1030, -16.7010,
65.9150

■ 212.1490, 20.0750,
38.1790

■ 21.7550, -33.9370,
47.8790

■ 228.5850, 12.3750,
23.5350

■ 13.1100, -36.9150,
35.7650

■ 246.1950, 4.1250,
7.8450

■ 10.1460, -28.5690,
27.6790

■ 11.5190, -22.7900,

16.5540

■ 6.5490, -14.3070,
11.4930

■ 2.8670, -6.6950,
5.6970

■ 117.1030, -7.5330,
75.9790

■ 117.1030, -7.5330,
75.9790

■ 97.9540, -8.1310,
86.8210

■ 135.9640, -6.0640,
65.8720

■ 79.0930, -9.6000,
96.9280

■ 155.1130, -5.4660,
55.0300

■ 64.9500, -10.3350,
104.7450

■ 173.9740, -3.9970,
44.9230

■ 193.1230, -3.3990,
34.0810

■ 211.9840, -1.9300,
23.9740

■ 231.1330, -1.3320,
13.1320

■ 249.9940, 0.1370,
3.0250

■ 255.0000, -0.0000,
-0.0000

Harmonies

Analogous

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



100.6840, -115.4050, 15.4990



117.1030, -7.5330, 75.9790



93.2480, 88.2860, 107.0860

Triad

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



117.1030, -7.5330, 75.9790



112.2760, 86.5190, -9.6170



107.3670, -91.5090, -32.1250

Complementary

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



117.1030, -7.5330, 75.9790



207.8970, 7.5330, -75.9790

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.



94.7760, -60.1890, -60.1010



117.1030, -7.5330, 75.9790



109.5210, 33.3400, -42.5640

Square

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



117.1030, -7.5330, 75.9790



72.3580, 144.2320, 51.3040



84.5280, -39.6000, -75.3120



116.9430, -118.4730, -6.0010

Rectangle

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



117.1030, -7.5330, 75.9790



89.8110, 113.7810, 91.0690



84.5280, -39.6000, -75.3120



103.8330, -81.5580, -41.7660

Sweetspot

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



117.1030, -7.5330, 75.9790



213.1580, -2.4800, 22.9280



149.2030, -86.6100, 5.7580



102.6600, -1.3780, 13.9660



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.



117.1030, -7.5330, 75.9790



89.7030, -8.6820, 91.3020



144.6110, 47.2990, 95.4830



118.2760, -0.5970, 5.3150



48.6840, -7.6710, 78.4810



16.2660, -2.6640, 26.2640

Inverse Universe

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



136.4870, 78.8020, 69.6980



112.8300, 94.4340, 83.7620



180.3890, -47.2990, -95.4830



119.5710, 5.8220, 4.6220



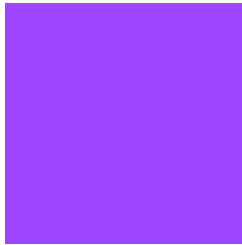
68.6230, 81.4150, 71.9030



23.0120, 27.2300, 24.1420

Previews

White Background



This preview shows how the YIQ color 117.1030, -7.5330, 75.9790 looks on a white background.

Color Contrast Check

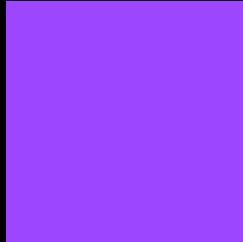
Large Text (above 18pt) WCAG AA ✓ Pass

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 117.1030, -7.5330, 75.9790 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

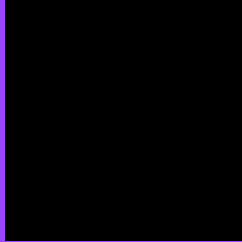
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

YIQ 117.1030, -7.5330, 75.9790

Background



This preview shows how black text looks on a background with the YIQ color 117.1030, -7.5330, 75.9790.



This preview shows how white text looks on a background with the YIQ color 117.1030, -7.5330,

75.9790.

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

117.1030, -7.5330, 75.9790

Protanopia

95.9080, -110.2240, 15.2160

Deuteranopia

96.3690, -101.8770, 1.6030



Tritanopia

121.2120, 5.4550, 5.7670

Trichromacy



Original Color

117.1030, -7.5330, 75.9790



Protanomaly

103.4280, -72.8610, 37.4350



Deuteranomaly

104.0830, -67.8160, 28.6000



Tritanomaly

119.5810, 1.0030, 31.3950

Monochromacy



Original Color

117.1030, -7.5330, 75.9790



Achromatopsia

117.0000, -0.0000, 0.0000



Achromatomaly

117.2060, -2.4350, 27.6210

CSS Examples

Text

The CSS property to change the color of the text to YIQ 117.1030, -7.5330, 75.9790 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, 70, 255)` looks like.

```
.text, #text, p{  
    color:rgb(157, 70, 255)  
}
```

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, 70, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(157, 70, 255) }
```

Border

The CSS property to change the border of an element to YIQ 117.1030, -7.5330, 75.9790 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, 70, 255) }
```


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

```
.border{ border-color:rgb(157, 70, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(157, 70, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(157, 70, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(157, 70, 255);  
box-shadow:4px 4px 4px 4px rgb(157, 70,  
255) }
```

Background

The CSS property to change the background color of an element to YIQ 117.1030, -7.5330, 75.9790 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(157, 70, 255) }
```

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

```
.background{ background-color: rgb(157, 70,  
255) }
```

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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