

Converting Colors

YIQ(109.7700, -3.9030, 32.2010)

Have a look what the booklet for
YIQ(109.7700, -3.9030, 32.2010)
contains.

YIQ(109.7700, -3.9030, 32.2010)	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(109.7700, -3.9030,
32.2010)**

Conversions

Conversions Part 1

Format	Color
Hex	7E5AA9
RGB	126, 90, 169
RGB Percent	49%, 35%, 66%
CMY	0.5057, 0.6471, 0.3373
CMYK	0.25, 0.47, 0.00, 0.34
HSL	267°, 31%, 51%
HSV	267°, 47%, 66%
XYZ	19.4238, 14.6119, 39.3231
YIQ	109.7700, -3.9030, 32.2010

Conversions

Conversions Part 2

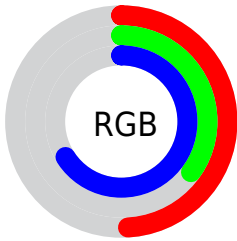
Format	Color
R _Y B	126, 90, 169
Decimal	8280745
CIE _{Lab}	45.10, 31.16, -37.09
CIE _{LCh}	45, 48.437, 310.035
Yxy	14.6119, 0.2648, 0.1992
Android (android.graphics.Color)	4286470825 (0xFF7E5AA9)
YUV	109.7700, 29.2004, 14.2337
Hunter-Lab	38.2255, 23.8077, -34.2346

Details

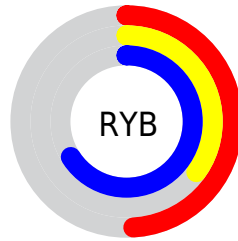
The YIQ color $109.7700, -3.9030, 32.2010$ is a dark color, and the websafe version is hex $9966CC$. A complement of this color would be $149.2300, 3.9030, -32.2010$, and the grayscale version is $109.0000, -0.0000, 0.0000$.

A 20% lighter version of the original color is $162.2370, -3.7200, 34.3920$, and $60.5910, -4.9570, 29.2750$ is the 20% darker color. If you saturate the color by 10%, you get $97.1000, -4.5920, 39.1840$, and if you desaturate by 10%, it is $122.4400, -3.2140, 25.2180$.

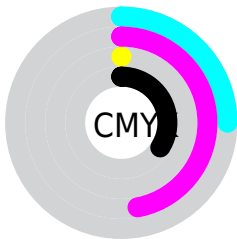
Distribution



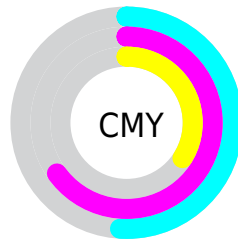
- Red (49%)
- Green (35%)
- Blue (66%)



- Red (49%)
- Yellow (35%)
- Blue (66%)



- Cyan (25%)
- Magenta (47%)
- Yellow (0%)
- Black (34%)



- Cyan (51%)
- Magenta (65%)
- Yellow (34%)

Brightness & Saturation Gradients

These gradients show how the YIQ color 109.7700, -3.9030, 32.2010 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 109.7700, -3.9030, 32.2010 by changing the saturation by 10% instead.

■ 109.7700, -3.9030,
32.2010

■ 109.7700, -3.9030,
32.2010

■ 255.0000, -0.0000,
-0.0000

■ 84.8300, -4.1320,
30.8440

■ 162.2370, -3.7200,
34.3920

■ 60.5910, -4.9570,
29.2750

■ 189.9490, -2.8490,
35.1270

■ 36.7650, -5.5070,
28.2290

■ 214.3980, 5.7720,
27.5640

■ 14.8140, -7.2030,
25.9250

■ 236.2160, 8.8000,
16.7360

■ 5.0160, -14.1240,
13.6840

■ 253.2390, 0.8250,
1.5690

■ 3.2090, -7.6580,
6.6300

■ 0.0000, 0.0000,

0.0000

■ 109.7700, -3.9030,
32.2010

■ 109.7700, -3.9030,
32.2010

■ 97.1000, -4.5920,
39.1840

■ 122.4400, -3.2140,
25.2180

■ 84.4300, -5.2810,
46.1670

■ 135.1100, -2.5250,
18.2350

■ 71.4610, -6.5660,
52.9380

■ 148.0790, -1.2400,
11.4640

■ 58.7910, -7.2550,
59.9210

■ 160.7490, -0.5510,
4.4810

■ 46.1210, -7.9440,
66.9040

■ 172.8320, 0.4130,
-1.9790

■ 42.2890, -8.3570,
68.8830

■ 185.5020, 1.1020,
-8.9620

■ 198.1720, 1.7910,
-15.9450

■ 211.1410, 3.0760,
-22.7160

■ 223.8110, 3.7650,
-29.6990

Harmonies

Analogous

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



97.8810, -62.0360, 11.9480



109.7700, -3.9030, 32.2010



107.5760, 34.9300, 38.7860

Triad

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



109.7700, -3.9030, 32.2010



103.2800, 54.3330, -10.0110



87.6420, -73.1700, -28.5780

Complementary

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



109.7700, -3.9030, 32.2010



149.2300, 3.9030, -32.2010

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.



81.6800, -59.1380, -40.5940



109.7700, -3.9030, 32.2010



100.0780, 33.7500, -27.9620

Square

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



109.7700, -3.9030, 32.2010



104.0110, 63.3610, 13.6090



95.6420, -3.2490, -34.7450



90.8000, -84.8180, -15.7140

Rectangle

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



109.7700, -3.9030, 32.2010



105.4500, 52.7200, 35.7600



95.6420, -3.2490, -34.7450



86.0460, -68.6760, -32.9320

Sweetspot

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



109.7700, -3.9030, 32.2010



196.6060, -1.2860, 12.2980



124.2470, -37.1840, 2.0800



95.8570, -0.7350, 7.8170



237.0000, -0.0000, -0.0000



110.0000, 0.0000, 0.0000

Same Dimension

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



109.7700, -3.9030, 32.2010



127.0650, -5.5110, 50.3370



121.4310, 19.3410, 40.4690



78.1080, -0.1840, 3.3360



36.9050, -7.5760, 60.2320



4.9710, -1.0560, 8.1280

Inverse Universe

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



118.5230, 33.2810, 30.1210



140.4150, 51.8010, 46.9130



137.5690, -19.3410, -40.4690



78.8480, 3.4840, 2.9400



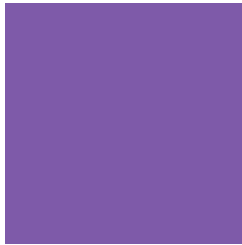
53.3720, 62.5280, 56.2560



7.2340, 8.3890, 7.6610

Previews

White Background



This preview shows how the YIQ color 109.7700, -3.9030, 32.2010 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 109.7700, -3.9030, 32.2010 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

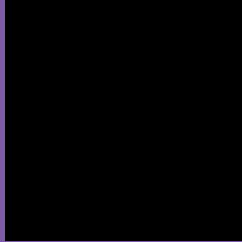
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

YIQ 109.7700, -3.9030, 32.2010

Background



This preview shows how black text looks on a background with the YIQ color 109.7700, -3.9030, 32.2010.



This preview shows how white text looks on a background with the YIQ color 109.7700, -3.9030,

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

109.7700, -3.9030, 32.2010

Protanopia

103.6230, -43.5140, 17.6860

Deuteranopia

104.7560, -36.8190, 11.9890



Tritanopia

107.7990, 5.1800, 5.2440

Trichromacy



Original Color

109.7700, -3.9030, 32.2010

Protanomaly

105.7990, -29.2100, 22.7740

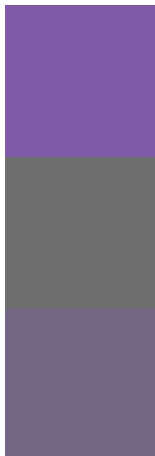
Deuteranomaly

106.7300, -24.7620, 19.2540

Tritanomaly

108.4540, 2.1980, 15.2380

Monochromacy



Original Color

109.7700, -3.9030, 32.2010

Achromatopsia

110.0000, 0.0000, 0.0000

Achromatomaly

110.0790, -1.2400, 11.4640

CSS Examples

Text

The CSS property to change the color of the text to YIQ 109.7700, -3.9030, 32.2010 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(126, 90, 169)` looks like.

```
.text, #text, p{  
    color:rgb(126, 90, 169)  
}
```

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(126, 90, 169) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(126, 90, 169) }
```

Border

The CSS property to change the border of an element to YIQ 109.7700, -3.9030, 32.2010 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(126, 90, 169) }
```


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

```
.border{ border-color:rgb(126, 90, 169) }
```

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

Here you see how a box with a 4 pixel `rgb(126, 90, 169)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(126, 90, 169); -webkit-box-shadow:4px 4px 4px 4px rgb(126, 90, 169); box-shadow:4px 4px 4px 4px rgb(126, 90, 169) }
```

Background

The CSS property to change the background color of an element to YIQ 109.7700, -3.9030, 32.2010 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(126, 90, 169) }
```

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

```
.background{ background-color: rgb(126, 90,  
169) }
```

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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