

Converting Colors

YIQ(98.7810, 30.8130, -13.2750)

Have a look what the booklet for
YIQ(98.7810, 30.8130, -13.2750)
contains.

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Color

**YIQ(98.7810, 30.8130,
-13.2750)**

Conversions

Conversions Part 1

Format	Color
Hex	78632A
RGB	120, 99, 42
RGB Percent	47%, 39%, 16%
CMY	0.5294, 0.6118, 0.8351
CMYK	0.00, 0.18, 0.65, 0.53
HSL	44°, 48%, 32%
HSV	44°, 65%, 47%
XYZ	12.6259, 13.0828, 4.0542
YIQ	98.7810, 30.8130, -13.2750

Conversions

Conversions Part 2

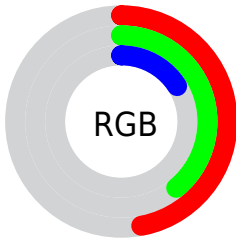
Format	Color
R_{YB}	71, 120, 42
Decimal	7889706
CIE Lab	42.89, 1.29, 34.75
CIE LCh	43, 34.769, 87.868
Yxy	13.0828, 0.4242, 0.4396
Android (android.graphics.Color)	4286079786 (0xFF78632A)
YUV	98.7810, -27.9930, 18.6091
Hunter-Lab	36.1701, -0.9887, 18.6734

Details

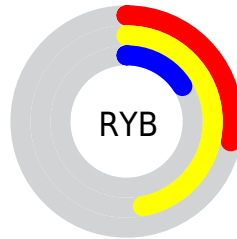
The YIQ color **98.7810, 30.8130, -13.2750** is a dark color, and the websafe version is hex **666633**. A complement of this color would be **63.2190, -30.8130, 13.2750**, and the grayscale version is **99.0000, -0.0000, 0.0000**.

A 20% lighter version of the original color is **150.3360, 33.5640, -13.5720**, and **51.7420, 26.5490, -13.0910** is the 20% darker color. If you saturate the color by 10%, you get **95.6520, 35.4900, -15.4380**, and if you desaturate by 10%, it is **101.9100, 26.1360, -11.1120**.

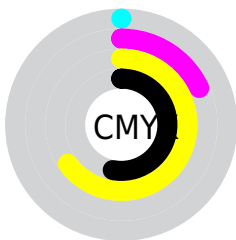
Distribution



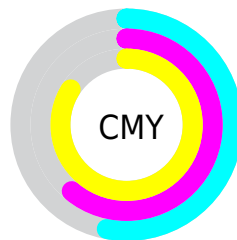
- Red (47%)
- Green (39%)
- Blue (16%)



- Red (28%)
- Yellow (47%)
- Blue (16%)



- Cyan (0%)
- Magenta (18%)
- Yellow (65%)
- Black (53%)



- Cyan (53%)
- Magenta (61%)
- Yellow (84%)

Brightness & Saturation Gradients

These gradients show how the YIQ color 98.7810, 30.8130, -13.2750 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 98.7810, 30.8130, -13.2750 by changing the saturation by 10% instead.

■ 98.7810, 30.8130,
-13.2750

■ 98.7810, 30.8130,
-13.2750

■ 255.0000, -0.0000,
-0.0000

■ 74.1830, 29.6210,
-13.6990

■ 150.3360, 33.5640,
-13.5720

■ 51.7420, 26.5490,
-13.0910

■ 177.1190, 35.6730,
-13.2470

■ 31.9400, 17.4240,
-7.4080

■ 204.6030, 37.1860,
-13.1340

■ 10.6650, 8.2530,
-0.8910

■ 231.5810, 34.2520,
-15.0280

■ 0.0000, 0.0000,
0.0000

■ 248.1600, 19.2600,
-18.6600

■ 251.3520, 10.2720,

-9.9520

254.6580, 0.9630,
-0.9330

■ 98.7810, 30.8130,
-13.2750

■ 98.7810, 30.8130,
-13.2750

■ 95.6520, 35.4900,
-15.4380

■ 101.9100, 26.1360,
-11.1120

■ 92.5230, 40.1670,
-17.6010

■ 105.0390, 21.4590,
-8.9490

■ 88.8070, 45.1190,
-19.2410

■ 108.7550, 16.5070,
-7.3090

■ 87.5360, 47.3200,
-20.5840

■ 111.8840, 11.8300,
-5.1460

■ 115.0130, 7.1530,
-2.9830

■ 118.1420, 2.4760,
-0.8200

■ 121.8580, -2.4760,
0.8200

■ 124.9870, -7.1530,
2.9830

■ 128.1160,
-11.8300, 5.1460

Harmonies

Analogous

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



100.7430, 43.1440, 0.0400



98.7810, 30.8130, -13.2750



96.0770, 9.1280, -22.2640

Triad

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



98.7810, 30.8130, -13.2750



81.9830, -72.3920, -20.6480



104.7210, 14.9880, 25.7400

Complementary

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



98.7810, 30.8130, -13.2750



63.2190, -30.8130, 13.2750

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.



102.9930, -15.3170, 18.7870



98.7810, 30.8130, -13.2750



82.7300, -78.6290, -12.2370

Square

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



98.7810, 30.8130, -13.2750



79.2640, -63.3580, -30.1900



92.5040, -53.9650, 3.3390



102.9160, 36.3080, 24.8200

Rectangle

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



98.7810, 30.8130, -13.2750



93.0300, -9.8530, -25.1890



92.5040, -53.9650, 3.3390



104.4040, 5.6350, 24.5390

Sweetspot

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



98.7810, 30.8130, -13.2750



147.8840, 11.8300, -5.1460



67.8300, 39.4260, 23.3780



74.0130, 7.1530, -2.9830



207.0000, 0.0000, -0.0000



79.0000, -0.0000, 0.0000

Same Dimension

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



98.7810, 30.8130, -13.2750



122.7210, 48.2370, -20.6830



106.0250, 14.9060, -27.8620



59.7290, 2.2010, -1.3430



90.7920, 49.4750, -21.0930



183.3560, 99.5920, -42.8080

Inverse Universe

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



63.2190, -30.8130, 13.2750



67.2790, -48.2370, 20.6830



55.9750, -14.9060, 27.8620



56.8580, -2.4760, 0.8200



34.2080, -49.4750, 21.0930



68.6440, -99.5920, 42.8080

Previews

White Background



This preview shows how the YIQ color 98.7810, 30.8130, -13.2750 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 98.7810, 30.8130, -13.2750 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

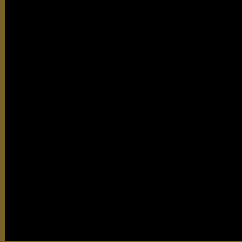
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

YIQ 98.7810, 30.8130, -13.2750

Background



This preview shows how black text looks on a background with the YIQ color 98.7810, 30.8130, -13.2750.



This preview shows how white text looks on a background with the YIQ color 98.7810, 30.8130,

-13.2750.

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

98.7810, 30.8130, -13.2750

Protanopia

98.5630, 25.4950, -16.0170

Deuteranopia

98.9280, 34.8930, -10.1230



Tritanopia

103.3660, 16.8250, 8.9610

Trichromacy



Original Color

98.7810, 30.8130, -13.2750

Protanomaly

98.8730, 27.5580, -14.8580

Deuteranomaly

98.9170, 33.4260, -11.0700

Tritanomaly

101.5480, 21.8240, 0.9600

Monochromacy



Original Color

98.7810, 30.8130, -13.2750

Achromatopsia

99.0000, -0.0000, 0.0000

Achromatomaly

98.9980, 11.5090, -4.8350

CSS Examples

Text

The CSS property to change the color of the text to YIQ 98.7810, 30.8130, -13.2750 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(120, 99, 42)` looks like.

```
.text, #text, p{  
    color:rgb(120, 99, 42)  
}
```

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(120, 99, 42) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(120, 99, 42) }
```

Border

The CSS property to change the border of an element to YIQ 98.7810, 30.8130, -13.2750 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(120, 99, 42) }
```


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

```
.border{ border-color:rgb(120, 99, 42) }
```

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

Here you see how a box with a 4 pixel rgb(120, 99, 42) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(120, 99, 42); -webkit-box-  
shadow:4px 4px 4px 4px rgb(120, 99, 42);  
box-shadow:4px 4px 4px 4px rgb(120, 99,  
42) }
```

Background

The CSS property to change the background color of an element to YIQ 98.7810, 30.8130, -13.2750 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(120, 99, 42) }
```

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

```
.background{ background-color: rgb(120, 99,  
42) }
```

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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