

# Converting Colors

YIQ(78.9290, 87.0190, 14.3710)

Have a look what the booklet for  
YIQ(78.9290, 87.0190, 14.3710)  
contains.

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# Color

**YIQ(78.9290, 87.0190,  
14.3710)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	AB2E07
RGB	171, 46, 7
RGB Percent	67%, 18%, 3%
CMY	0.3291, 0.8198, 0.9722
CMYK	0.00, 0.73, 0.96, 0.33
HSL	14°, 92%, 35%
HSV	14°, 96%, 67%
XYZ	17.8236, 10.6312, 1.3164
YIQ	78.9290, 87.0190, 14.3710

# Conversions

## Conversions Part 2

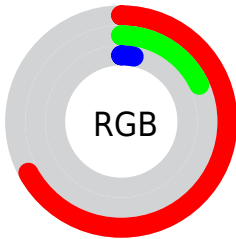
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	171, 58, 7
Decimal	11218439
CIE <sub>Lab</sub>	38.95, 49.33, 48.84
CIE <sub>LCh</sub>	39, 69.418, 44.717
Yxy	10.6312, 0.5987, 0.3571
Android (android.graphics.Color)	4289408519 (0xFFAB2E07)
YUV	78.9290, -35.4610, 80.7463
Hunter-Lab	32.6055, 40.5163, 20.4301

# Details

The YIQ color **78.9290, 87.0190, 14.3710** is a dark color, and the websafe version is hex **993300**. A complement of this color would be **99.0710, -87.0190, -14.3710**, and the grayscale version is **79.0000, -0.0000, 0.0000**.

A 20% lighter version of the original color is **135.1640, 93.6670, 15.0350**, and **32.8900, 65.5600, 23.3200** is the 20% darker color. If you saturate the color by 10%, you get **75.1960, 90.6410, 14.8090**, and if you desaturate by 10%, it is **88.4980, 77.9870, 12.8590**.

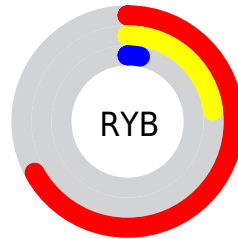
# Distribution



Red (67%)

Green (18%)

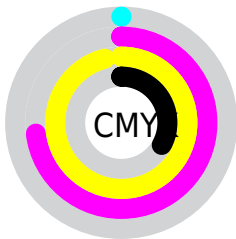
Blue (3%)



Red (67%)

Yellow (23%)

Blue (3%)

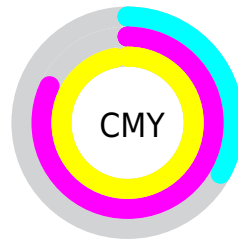


Cyan (0%)

Magenta (73%)

Yellow (96%)

Black (33%)



Cyan (33%)

Magenta (82%)


Yellow (97%)


# Brightness & Saturation Gradients

These gradients show how the YIQ color 78.9290, 87.0190, 14.3710 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 78.9290, 87.0190, 14.3710 by changing the saturation by 10% instead.





 78.9290, 87.0190,  
14.3710


 78.9290, 87.0190,  
14.3710


 253.7460, 3.5310,  
-3.4210


 48.3170, 80.4150,  
23.9270


 135.1640, 93.6670,  
15.0350


 32.8900, 65.5600,  
23.3200


 160.1420, 90.7330,  
13.1410

 23.9200, 47.6800,  
16.9600

 179.4280, 75.0080,  
6.2720

 16.3740, 31.5420,  
12.0700

 198.8280, 58.9620,  
-0.2860

 1.1960, 2.3840,  
0.8480

 218.3420, 42.5950,  
-6.5330

 0.0000, 0.0000,  
0.0000

 238.4430, 25.9530,

-13.3030

250.4400, 12.8400,  
-12.4400

78.9290, 87.0190,  
14.3710

78.9290, 87.0190,  
14.3710

75.1960, 90.6410,  
14.8090

88.4980, 77.9870,  
12.8590

98.0670, 68.9550,  
11.3470

107.6360, 59.9230,  
9.8350

117.3190, 50.5700,  
8.6340

126.8880, 41.5380,  
7.1220

■ 136.4570, 32.5060,  
5.6100

■ 146.0260, 23.4740,  
4.0980

■ 155.5950, 14.4420,  
2.5860

■ 165.1640, 5.4100,  
1.0740

# Harmonies

## Analogous

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



63.5510, 89.9450, 60.4810



78.9290, 87.0190, 14.3710



86.4500, 59.6060, -11.9620

# Triad

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



78.9290, 87.0190, 14.3710



73.1710, -50.3350, -40.4390



75.9720, -89.9130, 16.0630

# Complementary

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



78.9290, 87.0190, 14.3710



99.0710, -87.0190, -14.3710

# 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.



85.8370, -94.2670, 6.8610



78.9290, 87.0190, 14.3710



81.0710, -69.8240, -23.1360

# Square

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



78.9290, 87.0190, 14.3710



63.3960, -29.7000, -56.4840



86.4120, -86.2410, -6.4410



92.6160, 3.0630, 49.1350



# Rectangle

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



78.9290, 87.0190, 14.3710



85.9860, 37.0050, -26.3790



86.4120, -86.2410, -6.4410



80.4230, -92.8010, 13.3350

# Sweetspot

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



78.9290, 87.0190, 14.3710



185.9410, 34.0190, 5.7230



70.4000, 57.2980, 73.9540



89.9440, 20.7690, 3.5610



240.0000, -0.0000, -0.0000



112.0000, -0.0000, 0.0000



# Same Dimension

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



78.9290, 87.0190, 14.3710



97.4890, 117.7370, 19.3450



126.4760, 64.7440, -27.9920



81.8650, 4.8140, 0.8620



65.9820, 79.5000, 12.9720



9.8120, 12.3330, 2.2610



# Inverse Universe

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



99.0710, -87.0190, -14.3710



124.5110, -117.7370, -19.3450



51.5240, -64.7440, 27.9920



83.1350, -4.8140, -0.8620



84.6050, -79.7750, -13.4950



13.1880, -12.3330, -2.2610



# Previews

## White Background



This preview shows how the YIQ color 78.9290, 87.0190, 14.3710 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

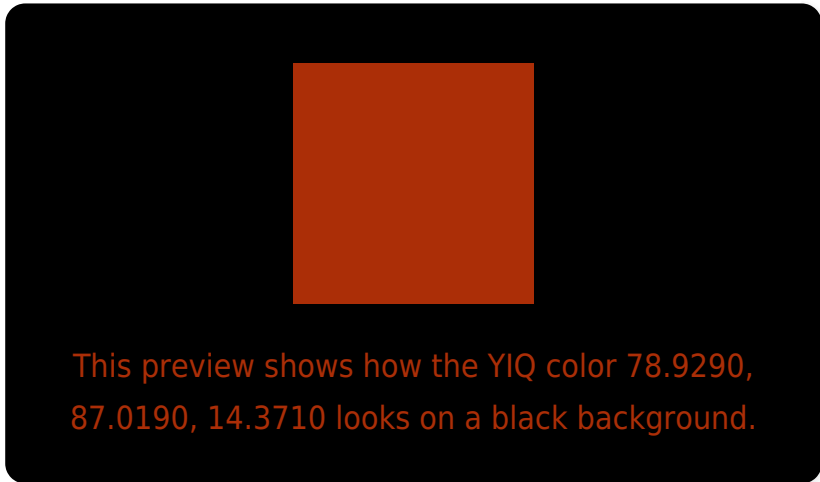
Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail



# Black Background



## 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 78.9290, 87.0190, 14.3710**

## **Background**



This preview shows how black text looks on a background with the YIQ color 78.9290, 87.0190, 14.3710.



This preview shows how white text looks on a background with the YIQ color 78.9290, 87.0190,



# 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

78.9290, 87.0190, 14.3710

### Protanopia

88.0810, 29.6680, -20.0600

### Deuteranopia

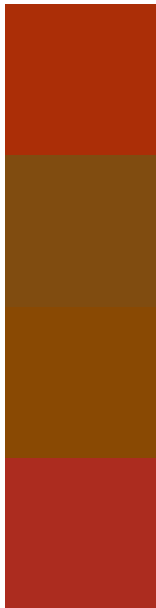
86.6390, 45.5320, -21.2200



## Tritanopia

81.6850, 76.5630, 27.6590

# Trichromacy



**Original Color**

78.9290, 87.0190, 14.3710

**Protanomaly**

84.7080, 50.2520, -7.6360

**Deuteranomaly**

84.1560, 60.6140, -8.2020

**Tritanomaly**

80.7900, 80.4610, 23.0930

# Monochromacy



**Original Color**

78.9290, 87.0190, 14.3710

**Achromatopsia**

79.0000, -0.0000, 0.0000

**Achromatomaly**

78.8590, 31.3140, 5.1860

# CSS Examples

## Text

The CSS property to change the color of the text to YIQ 78.9290, 87.0190, 14.3710 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(171, 46, 7)` looks like.

```
.text, #text, p{  
    color:rgb(171, 46, 7)  
}
```

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(171, 46, 7) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(171, 46, 7) }
```

## Border

The CSS property to change the border of an element to YIQ 78.9290, 87.0190, 14.3710 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(171, 46, 7) }
```



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

```
.border{ border-color:rgb(171, 46, 7) }
```

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

Here you see how a box with a 4 pixel rgb(171, 46, 7) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(171, 46, 7); -webkit-box-  
shadow:4px 4px 4px 4px rgb(171, 46, 7);  
box-shadow:4px 4px 4px 4px rgb(171, 46, 7)  
}
```

# Background

The CSS property to change the background color of an element to YIQ 78.9290, 87.0190, 14.3710 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(171, 46, 7) }
```

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

```
.background{ background-color: rgb(171, 46,  
7) }
```

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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