

# Converting Colors

YIQ(81.9320, 64.6010, 2.1450)

Have a look what the booklet for  
YIQ(81.9320, 64.6010, 2.1450)  
contains.

<b>YIQ(81.9320, 64.6010, 2.1450)</b> .....	3
<b><i>Conversions</i></b> .....	4
<b><i>Details</i></b> .....	6
<b><i>Harmonies</i></b> .....	12
<b><i>Previews</i></b> .....	24
<b><i>Color Blindness Simulation</i></b> .....	28
<b><i>CSS Examples</i></b> .....	31

# Color

**YIQ(81.9320, 64.6010,  
2.1450)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	913F0E
RGB	145, 63, 14
RGB Percent	57%, 25%, 5%
CMY	0.4312, 0.7531, 0.9448
CMYK	0.00, 0.57, 0.90, 0.43
HSL	22°, 82%, 31%
HSV	22°, 90%, 57%
XYZ	13.5398, 9.6066, 1.5588
YIQ	81.9320, 64.6010, 2.1450

# Conversions

## Conversions Part 2

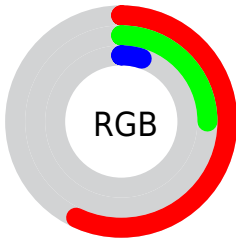
<b>Format</b>	<b>Color</b>
<a href="#">RYB</a>	<a href="#">145, 92, 14</a>
Decimal	<a href="#">9518862</a>
CIELab	<a href="#">37.13, 32.14, 43.04</a>
CIElCh	<a href="#">37, 53.711, 53.249</a>
Yxy	<a href="#">9.6066, 0.5481, 0.3889</a>
Android (android.graphics.Color)	<a href="#">4287708942</a> ( <a href="#">0xFF913F0E</a> )
YUV	<a href="#">81.9320, -33.4905, 55.3106</a>
Hunter-Lab	<a href="#">30.9946, 23.7362, 18.7144</a>

# Details

The YIQ color **81.9320, 64.6010, 2.1450** is a dark color, and the websafe version is hex **993300**. A complement of this color would be **77.0680, -64.6010, -2.1450**, and the grayscale version is **82.0000, 0.0000, -0.0000**.

A 20% lighter version of the original color is **134.8080, 70.8820, 3.9540**, and **34.2310, 48.0020, 11.1220** is the 20% darker color. If you saturate the color by 10%, you get **75.0530, 71.5700, 2.4980**, and if you desaturate by 10%, it is **88.9250, 57.3110, 2.1030**.

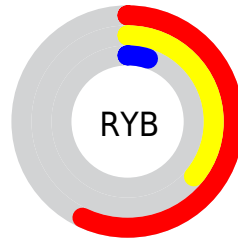
# Distribution



Red (57%)

Green (25%)

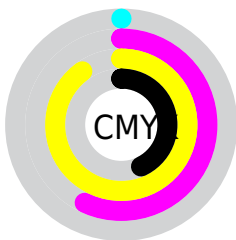
Blue (5%)



Red (57%)

Yellow (36%)

Blue (5%)

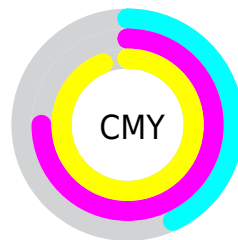


Cyan (0%)

Magenta (57%)

Yellow (90%)

Black (43%)



Cyan (43%)

Magenta (75%)


Yellow (94%)


# Brightness & Saturation Gradients


These gradients show how the YIQ color 81.9320, 64.6010, 2.1450 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 81.9320, 64.6010, 2.1450 by changing the saturation by 10% instead.





 81.9320, 64.6010,  
2.1450


 81.9320, 64.6010,  
2.1450


 254.3160, 1.9260,  
-1.8660

 57.5770, 58.4110,  
4.1950


 134.8080, 70.8820,  
3.9540


 34.2310, 48.0020,  
11.1220

 161.7760, 73.9080,  
4.1800


 17.6410, 35.1640,  
12.5080

 186.4550, 70.3780,  
2.0740

 10.2800, 19.9430,  
7.5190

 205.2680, 54.6070,  
-3.9610

 0.0000, 0.0000,  
0.0000

 224.7820, 38.2400,  
-10.2080

 244.8830, 21.5980,

-16.9780

■ 251.0100, 11.2350,  
-10.8850

■ 81.9320, 64.6010,  
2.1450

■ 81.9320, 64.6010,  
2.1450

■ 75.0530, 71.5700,  
2.4980

■ 88.9250, 57.3110,  
2.1030

■ 95.8040, 50.3420,  
1.7500

■ 102.7970, 43.0520,  
1.7080

■ 109.6760, 36.0830,  
1.3550

■ 116.6690, 28.7930,  
1.3130

■ 124.1350, 21.5490,  
0.4370

■ 131.1280, 14.2590,  
0.3950

■ 138.0070, 7.2900,  
0.0420

■ 145.0000, 0.0000,  
-0.0000

# Harmonies

## Analogous

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



79.4760, 67.0260, 29.7940



81.9320, 64.6010, 2.1450



82.2200, 45.3940, -18.7180

# Triad

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



81.9320, 64.6010, 2.1450



70.8860, -53.5460, -31.8020



84.6500, -38.9760, 23.5520

# Complementary

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



81.9320, 64.6010, 2.1450



77.0680, -64.6010, -2.1450

# 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.



76.1880, -82.2540, 3.9060



81.9320, 64.6010, 2.1450



76.4890, -67.9450, -18.6410

# Square

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



81.9320, 64.6010, 2.1450



63.4080, -38.0010, -43.7050



78.8320, -78.6760, -5.8760



88.5770, 15.9940, 40.5540



# Rectangle

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



81.9320, 64.6010, 2.1450



80.0280, 28.0190, -28.7250



78.8320, -78.6760, -5.8760



70.0900, -78.8620, 8.5140

# Sweetspot

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



81.9320, 64.6010, 2.1450



164.4020, 25.1710, 0.8750



62.6310, 51.4330, 53.5850



79.4270, 14.8550, 0.6070



222.0000, -0.0000, 0.0000



94.0000, 0.0000, 0.0000



# Same Dimension

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



81.9320, 64.6010, 2.1450



97.6010, 93.3940, 3.4580



120.0870, 46.7260, -31.8500



67.8540, 3.3470, -0.0850



69.7150, 66.7100, 2.4700



4.1530, 3.9430, 0.1270



# Inverse Universe

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



77.0680, -64.6010, -2.1450



90.8120, -93.1190, -2.9350



39.5000, -47.0010, 31.3270



67.7330, -3.6220, -0.4380



65.2850, -66.7100, -2.4700



3.8470, -3.9430, -0.1270



# Previews

## White Background



This preview shows how the YIQ color 81.9320, 64.6010, 2.1450 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

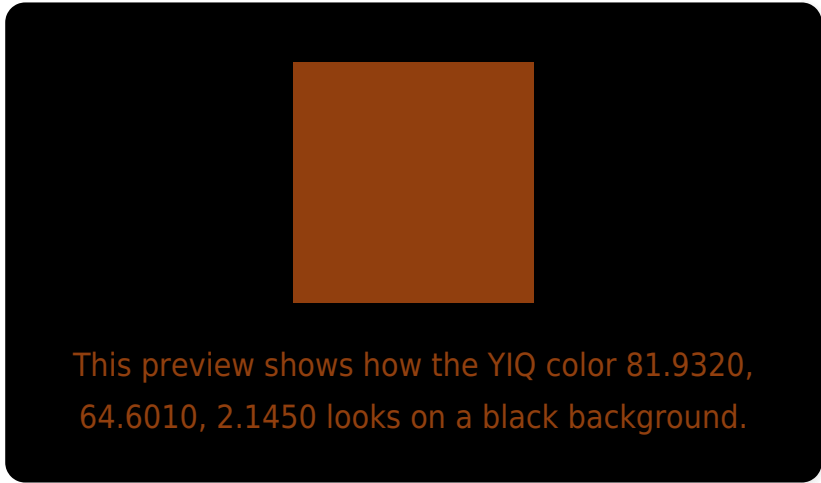
Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass



# Black Background



## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

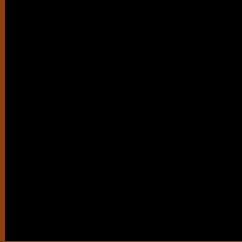
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

**YIQ 81.9320, 64.6010, 2.1450**

## **Background**



This preview shows how black text looks on a background with the YIQ color 81.9320, 64.6010, 2.1450.



This preview shows how white text looks on a background with the YIQ color 81.9320, 64.6010,



# 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

81.9320, 64.6010, 2.1450

### Protanopia

83.6510, 28.0630, -18.5050

### Deuteranopia

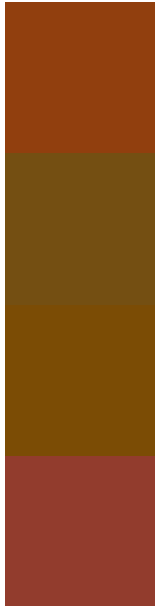
82.4970, 43.0560, -20.4000



## Tritanopia

85.6540, 51.4850, 19.5890

# Trichromacy



**Original Color**

81.9320, 64.6010, 2.1450

**Protanomaly**

83.1090, 41.6330, -11.1270

**Deuteranomaly**

81.9590, 50.8030, -12.1170

**Tritanomaly**

84.0040, 56.0710, 13.5670

# Monochromacy



**Original Color**

81.9320, 64.6010, 2.1450

**Achromatopsia**

82.0000, 0.0000, -0.0000

**Achromatomaly**

81.9180, 23.6580, 0.7620

# CSS Examples

## Text

The CSS property to change the color of the text to YIQ 81.9320, 64.6010, 2.1450 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(145, 63, 14)` looks like.

```
.text, #text, p{  
    color:rgb(145, 63, 14)  
}
```

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(145, 63, 14) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(145, 63, 14) }
```

## Border

The CSS property to change the border of an element to YIQ 81.9320, 64.6010, 2.1450 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(145, 63, 14) }
```



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

```
.border{ border-color:rgb(145, 63, 14) }
```

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

Here you see how a box with a 4 pixel rgb(145, 63, 14) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(145, 63, 14); -webkit-box-  
shadow:4px 4px 4px 4px rgb(145, 63, 14);  
box-shadow:4px 4px 4px 4px rgb(145, 63,  
14) }
```

# Background

The CSS property to change the background color of an element to YIQ 81.9320, 64.6010, 2.1450 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(145, 63, 14) }
```

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

```
.background{ background-color: rgb(145, 63,  
14) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

**[Learn more, Memberships starting at \\$2.50/m!](#)**

**Follow me  
on Twitter!**

@ConvertingColor