

# Converting Colors

YIQ(97.2020, 46.9460, 19.2500)

Have a look what the booklet for  
YIQ(97.2020, 46.9460, 19.2500)  
contains.

<b>YIQ(97.2020, 46.9460, 19.2500)</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(97.2020, 46.9460,  
19.2500)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	9A484E
RGB	154, 72, 78
RGB Percent	60%, 28%, 31%
CMY	0.3959, 0.7178, 0.6939
CMYK	0.00, 0.53, 0.49, 0.40
HSL	356°, 36%, 44%
HSV	356°, 53%, 60%
XYZ	17.0280, 12.0560, 8.6460
YIQ	97.2020, 46.9460, 19.2500

# Conversions

## Conversions Part 2

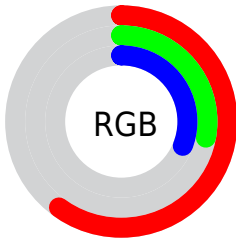
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	154, 72, 78
Decimal	10111054
CIE <sub>Lab</sub>	41.30, 34.86, 12.84
CIE <sub>LCh</sub>	41, 37.152, 20.216
Yxy	12.0560, 0.4513, 0.3195
Android (android.graphics.Color)	4288301134 (0xFF9A484E)
YUV	97.2020, -9.4666, 49.8118
Hunter-Lab	34.7218, 26.7758, 9.5415

# Details

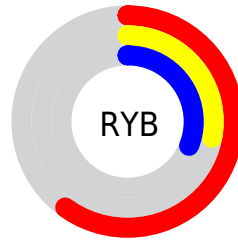
The YIQ color **97.2020, 46.9460, 19.2500** is a dark color, and the websafe version is hex **993333**. A complement of this color would be **128.7980, -46.9460, -19.2500**, and the grayscale version is **97.0000, -0.0000, 0.0000**.

A 20% lighter version of the original color is **149.7680, 51.1640, 19.9000**, and **46.3910, 42.0400, 20.0560** is the 20% darker color. If you saturate the color by 10%, you get **86.8010, 55.5650, 22.7410**, and if you desaturate by 10%, it is **107.6030, 38.3270, 15.7590**.

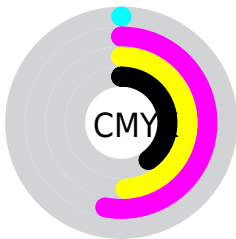
# Distribution



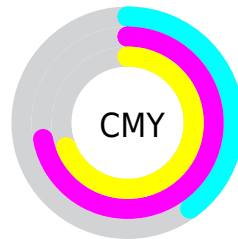
- Red (60%)
- Green (28%)
- Blue (31%)



- Red (60%)
- Yellow (28%)
- Blue (31%)



- Cyan (0%)
- Magenta (53%)
- Yellow (49%)
- Black (40%)



- Cyan (40%)
- Magenta (72%)
- Yellow (69%)

# Brightness & Saturation Gradients

These gradients show how the YIQ color 97.2020, 46.9460, 19.2500 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 97.2020, 46.9460, 19.2500 by changing the saturation by 10% instead.



■ 97.2020, 46.9460,  
19.2500

■ 97.2020, 46.9460,  
19.2500

255.0000, -0.0000,  
-0.0000

■ 71.5330, 44.5160,  
19.2360

■ 150.0670, 51.7600,  
20.1120

■ 46.3910, 42.0400,  
20.0560

■ 176.9640, 53.5480,  
20.7480

■ 22.8960, 39.0600,  
18.9960

■ 200.6640, 45.5250,  
17.4690

■ 14.4660, 28.2870,  
10.4870

■ 219.5910, 29.4330,  
11.7450

■ 0.0000, 0.0000,  
0.0000

■ 239.8060, 12.4700,  
5.2860

97.2020, 46.9460,  
19.2500

97.2020, 46.9460,  
19.2500

86.8010, 55.5650,  
22.7410

107.6030, 38.3270,  
15.7590

75.8130, 64.4590,  
26.7550

118.7050, 29.1120,  
12.0560

65.2980, 73.3990,  
29.9350

129.1060, 20.4930,  
8.5650

54.3100, 82.2930,  
33.9490

140.0940, 11.5990,  
4.5510

47.3000, 88.2530,  
36.0690

150.4950, 2.9800,  
1.0600

161.0100, -5.9600,  
-2.1200

171.9980,  
-14.8540, -6.1340

182.3990,

-23.4730, -9.6250

■ 193.3870,  
-32.3670, -13.6390

# Harmonies

## Analogous

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



98.9420, 33.4190, 27.6190



97.2020, 46.9460, 19.2500



96.4170, 47.1780, 4.0260

# Triad

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



97.2020, 46.9460, 19.2500



87.8230, -13.7040, -26.9840



78.9460, -78.9970, -5.5650

# Complementary

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



97.2020, 46.9460, 19.2500



128.7980, -46.9460, -19.2500

# 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.



80.9860, -76.4740, -12.7460



97.2020, 46.9460, 19.2500



75.5480, -58.4060, -31.8300

# Square

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



97.2020, 46.9460, 19.2500



92.4970, 16.6930, -21.6990



79.7830, -68.9530, -22.4010



96.7790, -26.4580, 16.9500



# Rectangle

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



97.2020, 46.9460, 19.2500



95.8580, 41.0820, -6.6460



79.7830, -68.9530, -22.4010



79.7780, -78.5840, -7.5440

# Sweetspot

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



97.2020, 46.9460, 19.2500



178.9100, 18.1090, 7.7170



103.7730, 18.3780, 41.4020



88.7950, 11.0030, 4.3390



230.0000, -0.0000, 0.0000



102.0000, -0.0000, -0.0000



# Same Dimension

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



97.2020, 46.9460, 19.2500



112.2980, 73.3990, 29.9350



116.4760, 39.5220, -0.3980



71.3920, 4.7680, 1.6960



43.0000, 80.2300, 32.7900



4.0010, 7.4270, 3.0670



# Inverse Universe

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



97.2020, 46.9460, 19.2500



112.2980, 73.3990, 29.9350



109.5240, -39.5220, 0.3980



71.3920, 4.7680, 1.6960



43.0000, 80.2300, 32.7900

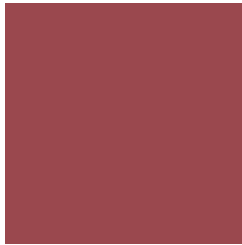


4.0010, 7.4270, 3.0670



# Previews

## White Background



This preview shows how the YIQ color 97.2020, 46.9460, 19.2500 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

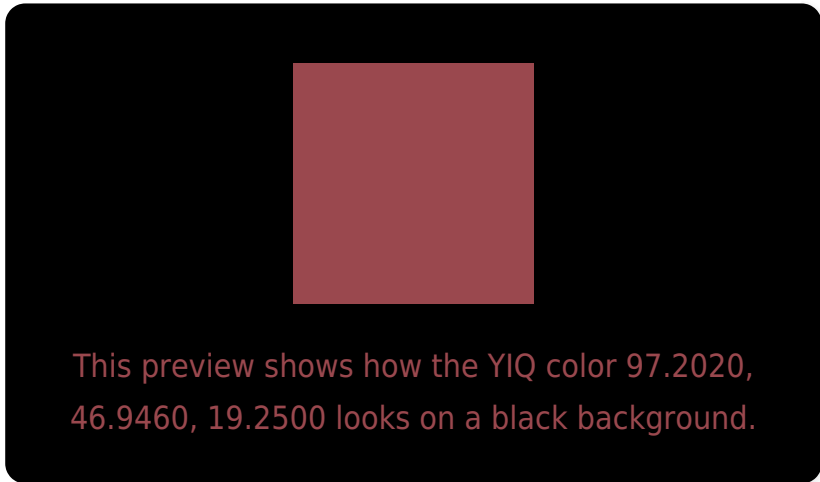
Any Text WCAG AA ✓ Pass

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 97.2020, 46.9460, 19.2500

## Background



This preview shows how black text looks on a background with the YIQ color 97.2020, 46.9460, 19.2500.



This preview shows how white text looks on a background with the YIQ color 97.2020, 46.9460,



# 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

97.2020, 46.9460, 19.2500

### Protanopia

98.3980, 4.6310, -1.3290

### Deuteranopia

97.9990, 18.9360, -1.7680



## Tritanopia

97.0880, 47.2670, 18.9390

# Trichromacy



## Original Color

97.2020, 46.9460, 19.2500

## Protanomaly

98.2260, 20.0350, 5.8510

## Deuteranomaly

97.6030, 29.1590, 5.6950

## Tritanomaly

97.0880, 47.2670, 18.9390

# Monochromacy



## Original Color

97.2020, 46.9460, 19.2500

## Achromatopsia

97.0000, -0.0000, 0.0000

## Achromatomaly

97.1980, 17.2380, 6.9820

# CSS Examples

## Text

The CSS property to change the color of the text to YIQ 97.2020, 46.9460, 19.2500 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(154, 72, 78)` looks like.

```
.text, #text, p{  
    color:rgb(154, 72, 78)  
}
```

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(154, 72, 78) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(154, 72, 78) }
```

## Border

The CSS property to change the border of an element to YIQ 97.2020, 46.9460, 19.2500 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(154, 72, 78) }
```



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

```
.border{ border-color:rgb(154, 72, 78) }
```

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

Here you see how a box with a 4 pixel rgb(154, 72, 78) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(154, 72, 78); -webkit-box-  
shadow:4px 4px 4px 4px rgb(154, 72, 78);  
box-shadow:4px 4px 4px 4px rgb(154, 72,  
78) }
```

# Background

The CSS property to change the background color of an element to YIQ 97.2020, 46.9460, 19.2500 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(154, 72, 78) }
```

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

```
.background{ background-color: rgb(154, 72,  
78) }
```

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