

# Converting Colors

YIQ(99.7570, -13.3380,  
-22.6020)

Have a look what the booklet for  
YIQ(99.7570, -13.3380, -22.6020)  
contains.

<b>YIQ(99.7570, -13.3380, -22.6020)</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(99.7570, -13.3380,  
-22.6020)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	49764C
RGB	73, 118, 76
RGB Percent	29%, 46%, 30%
CMY	0.7139, 0.5372, 0.7020
CMYK	0.38, 0.00, 0.36, 0.54
HSL	124°, 24%, 37%
HSV	124°, 38%, 46%
XYZ	10.5301, 14.8982, 9.1572
YIQ	99.7570, -13.3380, -22.6020

# Conversions

## Conversions Part 2

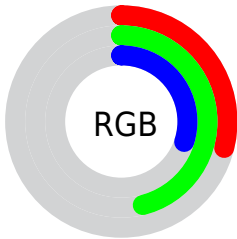
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	73, 115, 118
Decimal	4814412
CIE Lab	45.49, -24.92, 18.40
CIE LCh	45, 30.977, 143.561
Yxy	14.8982, 0.3045, 0.4308
Android (android.graphics.Color)	4283004492 (0xFF49764C)
YUV	99.7570, -11.7122, -23.4659
Hunter-Lab	38.5981, -18.8497, 12.9525

# Details

The YIQ color **99.7570, -13.3380, -22.6020** is a dark color, and the websafe version is hex **336633**. A complement of this color would be **91.2430, 13.3380, 22.6020**, and the grayscale version is **100.0000, -0.0000, -0.0000**.

A 20% lighter version of the original color is **151.1160, -12.9710, -23.7470**, and **51.2130, -14.6220, -21.3580** is the 20% darker color. If you saturate the color by 10%, you get **94.9150, -16.9590, -28.5670**, and if you desaturate by 10%, it is **104.5990, -9.7170, -16.6370**.

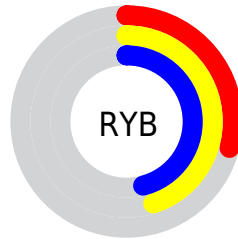
# Distribution



Red (29%)

Green (46%)

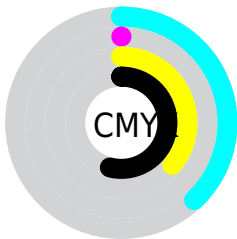
Blue (30%)



Red (29%)

Yellow (45%)

Blue (46%)

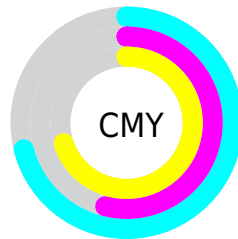


Cyan (38%)

Magenta (0%)

Yellow (36%)

Black (54%)



Cyan (71%)

Magenta (54%)

Yellow (70%)

# Brightness & Saturation Gradients

These gradients show how the YIQ color 99.7570, -13.3380, -22.6020 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 99.7570, -13.3380, -22.6020 by changing the saturation by 10% instead.



■ 99.7570, -13.3380,  
-22.6020

■ 99.7570, -13.3380,  
-22.6020

■ 255.0000, -0.0000,  
-0.0000

■ 75.2840, -13.3840,  
-21.7680

■ 151.7030,  
-13.2460, -24.2700

■ 51.2130, -14.6220,  
-21.3580

■ 178.2900,  
-13.5210, -24.7930

■ 28.0280, -15.5390,  
-21.2590

■ 205.8770,  
-13.7960, -25.3160

■ 16.4360, -7.7000,  
-14.6440

■ 234.4640,  
-14.0710, -25.8390

■ 0.0000, 0.0000,  
0.0000

■ 246.0280, -6.3710,  
-11.1950

■ 99.7570, -13.3380,  
-22.6020

■ 99.7570, -13.3380,  
-22.6020

■ 94.9150, -16.9590,  
-28.5670

■ 104.5990, -9.7170,  
-16.6370

■ 90.0730, -20.5800,  
-34.5320

■ 109.4410, -6.0960,  
-10.6720

■ 85.5300, -23.6050,  
-40.2850

■ 113.9840, -3.0710,  
-4.9190

■ 80.6880, -27.2260,  
-46.2500

■ 118.8260, 0.5500,  
1.0460

■ 75.8460, -30.8470,  
-52.2150

■ 123.6680, 4.1710,  
7.0110

■ 71.0040, -34.4680,  
-58.1800

■ 128.5100, 7.7920,  
12.9760

■ 70.1780, -35.0180,  
-59.2260

■ 133.3520, 11.4130,  
18.9410

■ 137.8950, 14.4380,

24.6940

■ 142.7370, 18.0590,  
30.6590

# Harmonies

## Analogous

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



103.2670, 11.6490, -18.3910



99.7570, -13.3380, -22.6020



92.1090, -46.6240, -25.0880

# Triad

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



99.7570, -13.3380, -22.6020



100.3150, -49.0590, 2.5330



108.6310, 41.1240, 14.6280

# Complementary

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



99.7570, -13.3380, -22.6020



91.2430, 13.3380, 22.6020

# 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.



109.8120, 30.6690, 22.3890



99.7570, -13.3380, -22.6020



108.6290, -17.2880, 15.9600

# Square

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



99.7570, -13.3380, -22.6020



86.2520, -80.2790, -15.3750



110.8020, 10.2660, 23.2100



107.6550, 40.5760, 2.5280



# Rectangle

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



99.7570, -13.3380, -22.6020



84.5930, -71.4740, -26.2740



110.8020, 10.2660, 23.2100



109.0700, 38.5100, 17.9500

# Sweetspot

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



99.7570, -13.3380, -22.6020



146.0930, -4.9960, -8.5800



111.9730, 12.6570, -14.6310



72.8700, -2.7500, -5.2300



204.0000, -0.0000, -0.0000



77.0000, -0.0000, -0.0000



# Same Dimension

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



99.7570, -13.3380, -22.6020



124.5460, -20.5340, -35.3660



102.2650, -20.4000, -15.7600



56.5220, -1.6500, -3.1380



72.5260, -36.1180, -61.3180



148.6880, -74.2070, -125.4630



# Inverse Universe

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



91.2430, 13.3380, 22.6020



111.3400, 20.8550, 35.0550



88.6210, 20.7210, 15.4490



55.3640, 1.9710, 2.8270



49.4740, 36.1180, 61.3180

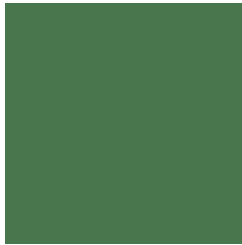


101.3120, 74.2070, 125.4630



# Previews

## White Background



This preview shows how the YIQ color 99.7570, -13.3380, -22.6020 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 99.7570, -13.3380, -22.6020 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

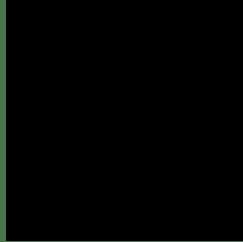
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

# YIQ 99.7570, -13.3380, -22.6020

## Background



This preview shows how black text looks on a background with the YIQ color 99.7570, -13.3380, -22.6020.



This preview shows how white text looks on a background with the YIQ color 99.7570, -13.3380,

-22.6020.

# 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

99.7570, -13.3380, -22.6020

### Protanopia

105.7010, 16.5990, -8.9770

### Deuteranopia

107.4400, 22.0080, -2.3760



## Tritanopia

104.0560, -20.7690, -3.5610

# Trichromacy



## Original Color

99.7570, -13.3380, -22.6020

## Protanomaly

103.3790, 5.6420, -14.1500

## Deuteranomaly

104.2810, 9.0340, -9.5420

## Tritanomaly

102.5090, -17.9710, -10.2190

# Monochromacy



## Original Color

99.7570, -13.3380, -22.6020

## Achromatopsia

100.0000, -0.0000, -0.0000

## Achromatomaly

100.0930, -4.9960, -8.5800

# CSS Examples

## Text

The CSS property to change the color of the text to YIQ 99.7570, -13.3380, -22.6020 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(73, 118, 76)` looks like.

```
.text, #text, p{  
    color:rgb(73, 118, 76)  
}
```

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(73, 118, 76) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(73, 118, 76) }
```

## Border

The CSS property to change the border of an element to YIQ 99.7570, -13.3380, -22.6020 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(73, 118, 76) }
```



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

```
.border{ border-color:rgb(73, 118, 76) }
```

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

Here you see how a box with a 4 pixel `rgb(73, 118, 76)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(73, 118, 76); -webkit-box-  
shadow:4px 4px 4px 4px rgb(73, 118, 76);  
box-shadow:4px 4px 4px 4px rgb(73, 118,  
76) }
```

# Background

The CSS property to change the background color of an element to YIQ 99.7570, -13.3380, -22.6020 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(73, 118, 76) }
```

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

```
.background{ background-color: rgb(73, 118,  
76) }
```

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