

# Converting Colors

YIQ(75.7980, -20.5830,  
-17.9510)

Have a look what the booklet for  
YIQ(75.7980, -20.5830, -17.9510)  
contains.

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# Color

**YIQ(75.7980, -20.5830,  
-17.9510)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	2D5D44
RGB	45, 93, 68
RGB Percent	18%, 36%, 27%
CMY	0.8237, 0.6352, 0.7334
CMYK	0.52, 0.00, 0.27, 0.64
HSL	149°, 35%, 27%
HSV	149°, 52%, 36%
XYZ	6.0398, 8.8065, 6.8478
YIQ	75.7980, -20.5830, -17.9510

# Conversions

## Conversions Part 2

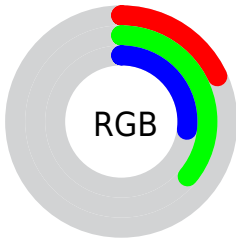
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	45, 77, 93
Decimal	2972996
CIE Lab	35.61, -22.93, 9.45
CIE LCh	36, 24.798, 157.610
Yxy	8.8065, 0.2784, 0.4059
Android (android.graphics.Color)	4281163076 (0xFF2D5D44)
YUV	75.7980, -3.8444, -27.0098
Hunter-Lab	29.6758, -15.6035, 7.0917

# Details

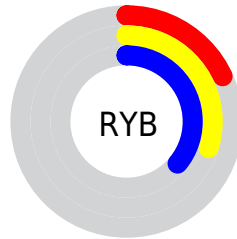
The YIQ color **75.7980, -20.5830, -17.9510** is a dark color, and the websafe version is hex **336633**. A complement of this color would be **62.2020, 20.5830, 17.9510**, and the grayscale version is **76.0000, -0.0000, -0.0000**.

A 20% lighter version of the original color is **125.8580, -20.8120, -19.3080**, and **29.8520, -20.6750, -16.2830** is the 20% darker color. If you saturate the color by 10%, you get **72.5370, -24.3420, -21.4140**, and if you desaturate by 10%, it is **79.0590, -16.8240, -14.4880**.

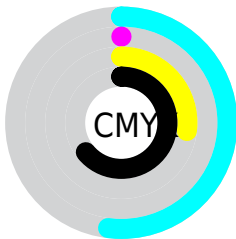
# Distribution



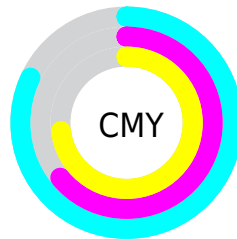
- Red (18%)
- Green (36%)
- Blue (27%)



- Red (18%)
- Yellow (30%)
- Blue (36%)



- Cyan (52%)
- Magenta (0%)
- Yellow (27%)
- Black (64%)



- Cyan (82%)
- Magenta (64%)
- Yellow (73%)

# Brightness & Saturation Gradients

These gradients show how the YIQ color 75.7980, -20.5830, -17.9510 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 75.7980, -20.5830, -17.9510 by changing the saturation by 10% instead.



■ 75.7980, -20.5830,  
-17.9510

■ 75.7980, -20.5830,  
-17.9510

■ 255.0000, -0.0000,  
-0.0000

■ 51.7270, -21.8210,  
-17.5410

■ 125.8580,  
-20.8120, -19.3080

■ 29.8520, -20.6750,  
-16.2830

■ 151.8580,  
-20.8120, -19.3080

■ 16.4360, -7.7000,  
-14.6440

■ 179.0320,  
-21.3620, -20.3540

■ 0.0000, 0.0000,  
0.0000

■ 206.6190,  
-21.6370, -20.8770

■ 235.2060,  
-21.9120, -21.4000

■ 246.8840,

-14.5330, -6.4450

■ 75.7980, -20.5830,  
-17.9510

■ 75.7980, -20.5830,  
-17.9510

■ 72.5370, -24.3420,  
-21.4140

■ 79.0590, -16.8240,  
-14.4880

■ 68.9770, -28.6970,  
-25.0890

■ 82.6190, -12.4690,  
-10.8130

■ 65.7160, -32.4560,  
-28.5520

■ 85.8800, -8.7100,  
-7.3500

■ 62.5690, -36.5360,  
-31.7040

■ 89.0270, -4.6300,  
-4.1980

■ 59.7210, -40.0200,  
-34.6440

■ 92.2880, -0.8710,  
-0.7350

■ 95.8480, 3.4840,  
2.9400

■ 99.1090, 7.2430,  
6.4030

■ 102.3700, 11.0020,  
9.8660

■ 105.9300, 15.3570,  
13.5410

# Harmonies

## Analogous

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



79.6880, 0.2780, -16.0580



75.7980, -20.5830, -17.9510



67.3030, -49.9260, -20.3100

# Triad

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



75.7980, -20.5830, -17.9510



81.8680, -25.6310, 7.4650



84.5110, 32.4140, 7.2780

# Complementary

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



75.7980, -20.5830, -17.9510



62.2020, 20.5830, 17.9510

# 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.



85.4000, 28.6530, 14.8690



75.7980, -20.5830, -17.9510



85.8170, -3.2580, 14.9980

# Square

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



75.7980, -20.5830, -17.9510



72.7890, -50.7540, -5.2980



86.1630, 16.3190, 18.1350



83.1480, 28.7020, -2.5460



# Rectangle

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



75.7980, -20.5830, -17.9510



66.6920, -58.2710, -17.7510



86.1630, 16.3190, 18.1350



84.2060, 31.9550, 10.0910

# Sweetspot

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



75.7980, -20.5830, -17.9510



113.4780, -7.5180, -6.9260



80.9500, 2.2960, -19.5920



57.0270, -4.6300, -4.1980



189.0000, -0.0000, -0.0000



61.0000, 0.0000, -0.0000



# Same Dimension

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



75.7980, -20.5830, -17.9510



93.4280, -31.5850, -27.8170



78.4200, -27.9660, -10.7980



44.2770, -2.3380, -1.6820



70.6120, -47.2630, -41.0470



152.1150, -101.7690, -88.4970



# Inverse Universe

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



62.2020, 20.5830, 17.9510



72.4580, 31.9060, 27.5060



59.5800, 27.9660, 10.7980



42.8370, 2.0170, 1.9930



39.3880, 47.2630, 41.0470

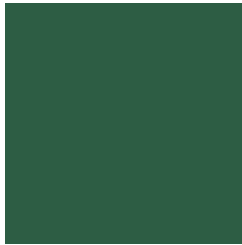


84.9990, 101.4480, 88.8080



# Previews

## White Background



This preview shows how the YIQ color 75.7980, -20.5830, -17.9510 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

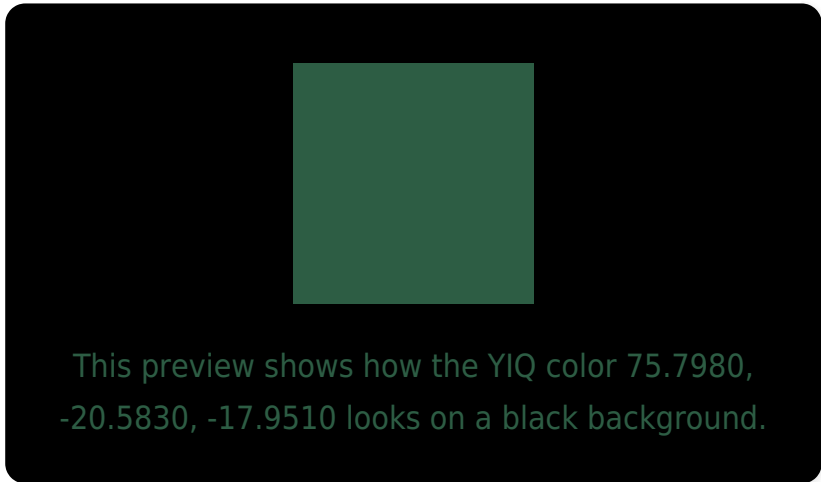
Any Text WCAG AA ✓ Pass

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

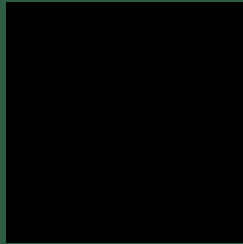
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

# YIQ 75.7980, -20.5830, -17.9510

## Background



This preview shows how black text looks on a background with the YIQ color 75.7980, -20.5830, -17.9510.



This preview shows how white text looks on a background with the YIQ color 75.7980, -20.5830,

-17.9510.

# 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

75.7980, -20.5830, -17.9510

### Protanopia

82.5140, 9.9960, -4.9480

### Deuteranopia

83.7580, 12.4250, 0.5930



## Tritanopia

79.1480, -24.0240, -5.1440

# Trichromacy



## Original Color

75.7980, -20.5830, -17.9510

## Protanomaly

80.3060, -1.2820, -9.8100

## Deuteranomaly

80.8980, 0.0470, -6.3610

## Tritanomaly

77.5840, -22.5560, -9.7240

# Monochromacy



## Original Color

75.7980, -20.5830, -17.9510

## Achromatopsia

76.0000, -0.0000, -0.0000

## Achromatomaly

75.8910, -7.2430, -6.4030

# CSS Examples

## Text

The CSS property to change the color of the text to YIQ 75.7980, -20.5830, -17.9510 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(45, 93, 68)` looks like.

```
.text, #text, p{  
    color:rgb(45, 93, 68)  
}
```

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(45, 93, 68) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(45, 93, 68) }
```

## Border

The CSS property to change the border of an element to YIQ 75.7980, -20.5830, -17.9510 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(45, 93, 68) }
```



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

```
.border{ border-color:rgb(45, 93, 68) }
```

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

Here you see how a box with a 4 pixel `rgb(45, 93, 68)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(45, 93, 68); -webkit-box-  
shadow:4px 4px 4px 4px rgb(45, 93, 68);  
box-shadow:4px 4px 4px 4px rgb(45, 93, 68)  
}
```

# Background

The CSS property to change the background color of an element to YIQ 75.7980, -20.5830, -17.9510 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(45, 93, 68) }
```

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

```
.background{ background-color: rgb(45, 93,  
68) }
```

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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