

# Converting Colors

YIQ(80.7210, -12.5160, -4.4520)

Have a look what the booklet for  
YIQ(80.7210, -12.5160, -4.4520)  
contains.

<b>YIQ(80.7210, -12.5160, -4.4520)</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(80.7210, -12.5160,  
-4.4520)**

# Conversions

## Conversions Part 1

Format	Color
Hex	425757
RGB	66, 87, 87
RGB Percent	26%, 34%, 34%
CMY	0.7412, 0.6588, 0.6589
CMYK	0.24, 0.00, 0.00, 0.66
HSL	180°, 14%, 30%
HSV	180°, 24%, 34%
XYZ	7.3746, 8.6635, 10.2977
YIQ	80.7210, -12.5160, -4.4520

# Conversions

## Conversions Part 2

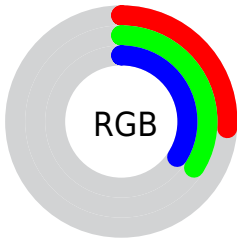
<b>Format</b>	<b>Color</b>
<b>RYB</b>	66, 77, 87
Decimal	4347735
CIELab	35.33, -7.99, -2.62
CIELCh	35, 8.406, 198.196
Yxy	8.6635, 0.2800, 0.3290
Android (android.graphics.Color)	4282537815 (0xFF425757)
YUV	80.7210, 3.0955, -12.9103
Hunter-Lab	29.4339, -6.7865, -0.1393

# Details

The YIQ color **80.7210, -12.5160, -4.4520** is a dark color, and the websafe version is hex **336666**. A complement of this color would be **72.2790, 12.5160, 4.4520**, and the grayscale version is **81.0000, -0.0000, 0.0000**.

A 20% lighter version of the original color is **130.4220, -13.1120, -4.6640**, and **36.0200, -11.9200, -4.2400** is the 20% darker color. If you saturate the color by 10%, you get **78.0300, -17.8800, -6.3600**, and if you desaturate by 10%, it is **83.4120, -7.1520, -2.5440**.

# Distribution



Red (26%)

Green (34%)

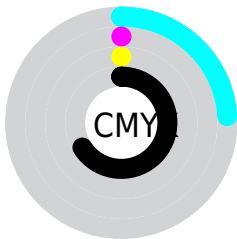
Blue (34%)



Red (26%)

Yellow (30%)

Blue (34%)

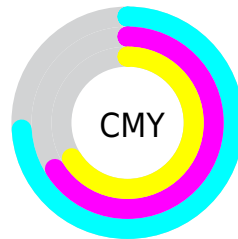


Cyan (24%)

Magenta (0%)

Yellow (0%)

Black (66%)



Cyan (74%)

Magenta (66%)

Yellow (66%)

# Brightness & Saturation Gradients

These gradients show how the YIQ color 80.7210, -12.5160, -4.4520 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 80.7210, -12.5160, -4.4520 by changing the saturation by 10% instead.



■ 80.7210, -12.5160,  
-4.4520

■ 80.7210, -12.5160,  
-4.4520

■ 255.0000, -0.0000,  
-0.0000

■ 57.7210, -12.5160,  
-4.4520

■ 130.4220,  
-13.1120, -4.6640

■ 36.0200, -11.9200,  
-4.2400

■ 156.1230,  
-13.7080, -4.8760

■ 15.3080, -12.7910,  
-4.9750

■ 183.1230,  
-13.7080, -4.8760

■ 0.0000, 0.0000,  
0.0000

■ 210.8240,  
-14.3040, -5.0880

■ 238.8240,  
-14.3040, -5.0880

■ 253.8040, -2.3840,

-0.8480

■ 80.7210, -12.5160,  
-4.4520

■ 80.7210, -12.5160,  
-4.4520

■ 78.0300, -17.8800,  
-6.3600

■ 83.4120, -7.1520,  
-2.5440

■ 75.6380, -22.6480,  
-8.0560

■ 85.8040, -2.3840,  
-0.8480

■ 72.9470, -28.0120,  
-9.9640

■ 88.4950, 2.9800,  
1.0600

■ 70.2560, -33.3760,  
-11.8720

■ 91.1860, 8.3440,  
2.9680

■ 67.5650, -38.7400,  
-13.7800

■ 93.5780, 13.1120,  
4.6640

■ 65.1730, -43.5080,  
-15.4760

■ 96.2690, 18.4760,  
6.5720

■ 62.4820, -48.8720,  
-17.3840

■ 98.9600, 23.8400,  
8.4800

■ 60.9870, -51.8520,  
-18.4440

■ 101.6510, 29.2040,  
10.3880

■ 104.0430, 33.9720,  
12.0840

# Harmonies

## Analogous

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



81.1190, -7.8850, -5.7810



80.7210, -12.5160, -4.4520



81.1170, -13.5710, -1.8510

# Triad

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



80.7210, -12.5160, -4.4520



84.0590, 1.5120, 5.6400



83.3230, 9.2160, -1.8240

# Complementary

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



80.7210, -12.5160, -4.4520



72.2790, 12.5160, 4.4520

# 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.



83.9860, 11.7830, 1.2150



80.7210, -12.5160, -4.4520



84.5820, 7.2890, 5.5690

# Square

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



80.7210, -12.5160, -4.4520



83.2970, -5.0900, 4.1420



84.3820, 10.7280, 3.8160



82.4040, 4.4940, -4.3540



# Rectangle

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



80.7210, -12.5160, -4.4520



81.6550, -12.1500, -0.0700



84.3820, 10.7280, 3.8160



83.4480, 10.3620, -0.5660

# Sweetspot

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



80.7210, -12.5160, -4.4520



109.6080, -4.7680, -1.6960



78.3270, -5.7750, -10.9830



54.8040, -2.3840, -0.8480



184.0000, 0.0000, -0.0000



56.0000, -0.0000, 0.0000



# Same Dimension

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



80.7210, -12.5160, -4.4520



102.4320, -19.0720, -6.7840



74.8510, -9.7660, 0.7780



41.8040, -2.3840, -0.8480



75.0070, -63.7720, -22.6840



164.6210, -139.7390, -50.1310



# Inverse Universe

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



72.2790, 12.5160, 4.4520



89.5680, 19.0720, 6.7840



78.1490, 9.7660, -0.7780



40.1960, 2.3840, 0.8480



31.9930, 63.7720, 22.6840



70.2650, 140.0600, 49.8200



# Previews

## White Background



This preview shows how the YIQ color 80.7210, -12.5160, -4.4520 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

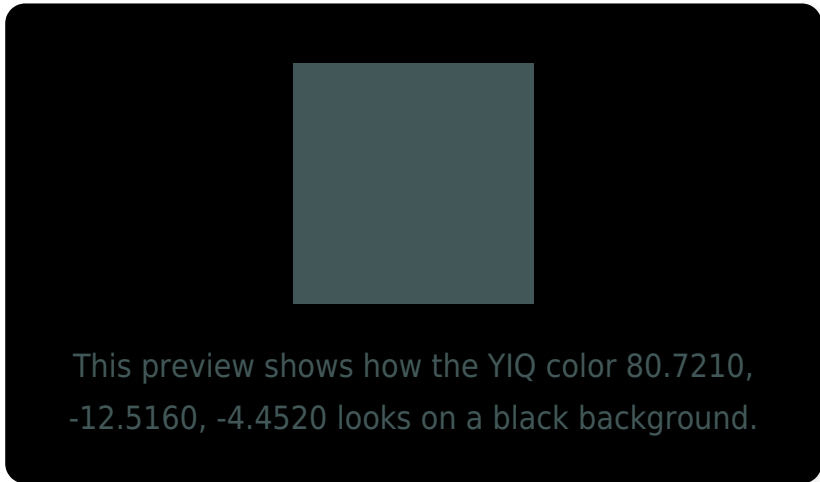
Any Text WCAG AA ✓ Pass

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

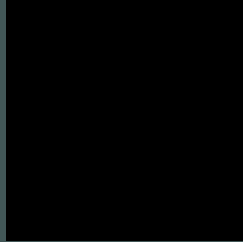
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

**YIQ 80.7210, -12.5160, -4.4520**

## **Background**



This preview shows how black text looks on a background with the YIQ color 80.7210, -12.5160, -4.4520.



This preview shows how white text looks on a background with the YIQ color 80.7210, -12.5160,

-4.4520.

# 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

80.7210, -12.5160, -4.4520

### Protanopia

82.8260, 0.5500, 1.0460

### Deuteranopia

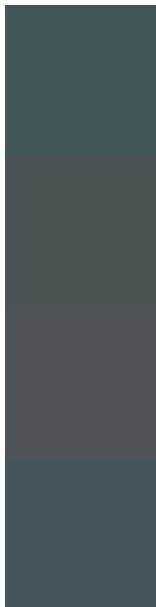
83.3040, 2.2000, 4.1840



## Tritanopia

81.1170, -13.5710, -1.8510

# Trichromacy



## Original Color

80.7210, -12.5160, -4.4520

## Protanomaly

82.0210, -4.4930, -1.1730

## Deuteranomaly

82.6730, -3.3930, 0.9190

## Tritanomaly

80.8890, -12.9290, -2.4730

# Monochromacy



## Original Color

80.7210, -12.5160, -4.4520

## Achromatopsia

81.0000, -0.0000, 0.0000

## Achromatomaly

80.9070, -4.1720, -1.4840

# CSS Examples

## Text

The CSS property to change the color of the text to YIQ 80.7210, -12.5160, -4.4520 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(66, 87, 87)` looks like.

```
.text, #text, p{  
    color:rgb(66, 87, 87)  
}
```

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(66, 87, 87) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(66, 87, 87) }
```

## Border

The CSS property to change the border of an element to YIQ 80.7210, -12.5160, -4.4520 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(66, 87, 87) }
```



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

```
.border{ border-color:rgb(66, 87, 87) }
```

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

Here you see how a box with a 4 pixel `rgb(66, 87, 87)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(66, 87, 87); -webkit-box-  
shadow:4px 4px 4px 4px rgb(66, 87, 87);  
box-shadow:4px 4px 4px 4px rgb(66, 87, 87)  
}
```

# Background

The CSS property to change the background color of an element to YIQ 80.7210, -12.5160, -4.4520 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(66, 87, 87) }
```

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

```
.background{ background-color: rgb(66, 87,  
87) }
```

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