

# Converting Colors

YIQ(81.6280, -43.0510, -7.2350)

Have a look what the booklet for  
YIQ(81.6280, -43.0510, -7.2350)  
contains.

<b>YIQ(81.6280, -43.0510, -7.2350)</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(81.6280, -43.0510,  
-7.2350)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	246275
RGB	36, 98, 117
RGB Percent	14%, 38%, 46%
CMY	0.8589, 0.6156, 0.5414
CMYK	0.69, 0.16, 0.00, 0.54
HSL	194°, 53%, 30%
HSV	194°, 69%, 46%
XYZ	8.3046, 10.3979, 18.3843
YIQ	81.6280, -43.0510, -7.2350

# Conversions

## Conversions Part 2

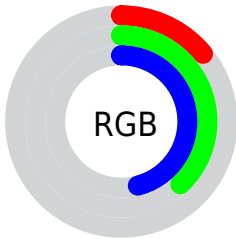
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	36, 71, 117
Decimal	2384501
CIE <sub>Lab</sub>	38.55, -13.25, -16.49
CIE <sub>LCh</sub>	39, 21.157, 231.227
Yxy	10.3979, 0.2239, 0.2804
Android (android.graphics.Color)	4280574581 (0xFF246275)
YUV	81.6280, 17.4384, -40.0158
Hunter-Lab	32.2458, -10.4594, -11.2310

# Details

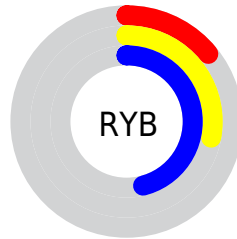
The YIQ color **81.6280, -43.0510, -7.2350** is a dark color, and the websafe version is hex **336666**. A complement of this color would be **71.3720, 43.0510, 7.2350**, and the grayscale version is **81.0000, -0.0000, 0.0000**.

A 20% lighter version of the original color is **133.9380, -40.9880, -6.0760**, and **37.8030, -36.1740, -5.2140** is the 20% darker color. If you saturate the color by 10%, you get **76.2790, -49.3780, -8.2100**, and if you desaturate by 10%, it is **86.9770, -36.7240, -6.2600**.

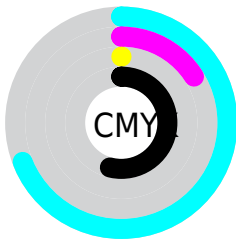
# Distribution



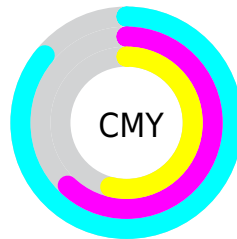
- Red (14%)
- Green (38%)
- Blue (46%)



- Red (14%)
- Yellow (28%)
- Blue (46%)



- Cyan (69%)
- Magenta (16%)
- Yellow (0%)
- Black (54%)



- Cyan (86%)
- Magenta (62%)
- Yellow (54%)

# Brightness & Saturation Gradients

These gradients show how the YIQ color 81.6280, -43.0510, -7.2350 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 81.6280, -43.0510, -7.2350 by changing the saturation by 10% instead.



81.6280, -43.0510,  
-7.2350

81.6280, -43.0510,  
-7.2350

255.0000, -0.0000,  
-0.0000

53.9260, -49.8820,  
-10.0900

133.9380,  
-40.9880, -6.0760

37.8030, -36.1740,  
-5.2140

160.3510,  
-40.7130, -5.5530

23.4410, -23.2910,  
-1.9070

188.3510,  
-40.7130, -5.5530

3.5510, -8.6210,  
7.5630

216.1660,  
-41.6300, -5.4540

0.0000, 0.0000,  
0.0000

239.1530,  
-31.5880, -11.2360

247.8240,

-14.3040, -5.0880

■ 81.6280, -43.0510,  
-7.2350

■ 81.6280, -43.0510,  
-7.2350

■ 76.2790, -49.3780,  
-8.2100

■ 86.9770, -36.7240,  
-6.2600

■ 71.8160, -55.3840,  
-9.4960

■ 91.4400, -30.7180,  
-4.9740

■ 66.4670, -61.7110,  
-10.4710

■ 96.7890, -24.3910,  
-3.9990

■ 66.1680, -62.3070,  
-10.6830

■ 102.1380,  
-18.0640, -3.0240

■ 107.1880,  
-12.3330, -2.2610

■ 111.9500, -5.7310,  
-0.7630

■ 117.2990, 0.5960,  
0.2120

■ 122.6480, 6.9230,  
1.1870

■ 127.6980, 12.6540,  
1.9500

# Harmonies

## Analogous

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



80.3090, -40.8950, -13.2710



81.6280, -43.0510, -7.2350



86.9550, -30.4900, 1.9100

# Triad

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



81.6280, -43.0510, -7.2350



93.0230, 19.5290, 15.0250



88.1130, 9.4470, -11.5210

# Complementary

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



81.6280, -43.0510, -7.2350



71.3720, 43.0510, 7.2350

# 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.



90.1470, 21.2750, -5.6130



81.6280, -43.0510, -7.2350



92.1670, 27.6910, 10.2750

# Square

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



81.6280, -43.0510, -7.2350



93.1940, 5.8660, 14.8420



91.1250, 27.5090, 2.5570



86.3220, -7.3790, -14.9550



# Rectangle

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



81.6280, -43.0510, -7.2350



89.9890, -18.6620, 7.8180



91.1250, 27.5090, 2.5570



89.2060, 13.6190, -10.0370

# Sweetspot

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



81.6280, -43.0510, -7.2350



138.7360, -16.8720, -2.6000



85.7130, -28.3740, -36.4540



68.0850, -10.5450, -1.6250



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.



81.6280, -43.0510, -7.2350



97.4170, -67.4420, -11.2340



58.1480, -32.0510, 13.6850



56.0320, -3.0260, -0.2260



69.0860, -65.0120, -11.2200



140.6170, -132.7750, -22.1430



# Inverse Universe

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



67.2870, 28.3740, 36.4540



75.0310, 44.5550, 57.0910



94.8520, 32.0510, -13.6850



55.2500, 2.2920, 2.5160



47.1940, 42.5380, 55.0980

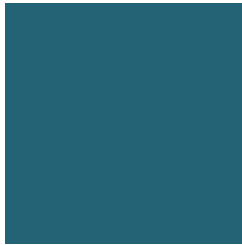


96.5240, 87.6890, 112.4010



# Previews

## White Background



This preview shows how the YIQ color 81.6280, -43.0510, -7.2350 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 81.6280, -43.0510, -7.2350 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

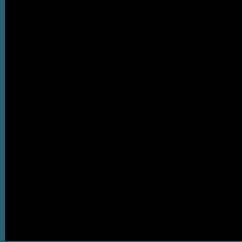
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

# YIQ 81.6280, -43.0510, -7.2350

## Background



This preview shows how black text looks on a background with the YIQ color 81.6280, -43.0510, -7.2350.



This preview shows how white text looks on a background with the YIQ color 81.6280, -43.0510,

-7.2350.

# 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

81.6280, -43.0510, -7.2350

### Protanopia

90.8990, -9.7210, 5.4710

### Deuteranopia

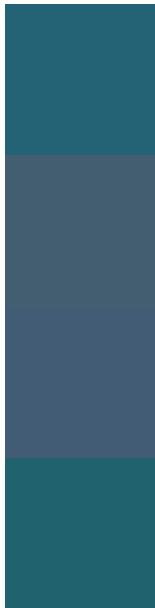
90.9250, -12.6100, 8.2700



## Tritanopia

79.9820, -44.2880, -12.3520

# Trichromacy



## Original Color

81.6280, -43.0510, -7.2350

## Protanomaly

87.5060, -21.9160, 0.7080

## Deuteranomaly

87.4890, -23.2460, 2.7860

## Tritanomaly

80.3350, -43.7840, -10.4720

# Monochromacy



## Original Color

81.6280, -43.0510, -7.2350

## Achromatopsia

82.0000, 0.0000, -0.0000

## Achromatomaly

81.9210, -15.9550, -2.6990

# CSS Examples

## Text

The CSS property to change the color of the text to YIQ 81.6280, -43.0510, -7.2350 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(36, 98, 117)` looks like.

```
.text, #text, p{  
    color:rgb(36, 98, 117)  
}
```

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(36, 98, 117) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(36, 98, 117) }
```

## Border

The CSS property to change the border of an element to YIQ 81.6280, -43.0510, -7.2350 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(36, 98, 117) }
```



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

```
.border{ border-color:rgb(36, 98, 117) }
```

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

Here you see how a box with a 4 pixel rgb(36, 98, 117) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(36, 98, 117); -webkit-box-  
shadow:4px 4px 4px 4px rgb(36, 98, 117);  
box-shadow:4px 4px 4px 4px rgb(36, 98,  
117) }
```

# Background

The CSS property to change the background color of an element to YIQ 81.6280, -43.0510, -7.2350 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(36, 98, 117) }
```

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

```
.background{ background-color: rgb(36, 98,  
117) }
```

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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