

Converting Colors

YIQ(87.6440, -13.6170, -1.0170)

Have a look what the booklet for
YIQ(87.6440, -13.6170, -1.0170)
contains.

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Color

**YIQ(87.6440, -13.6170,
-1.0170)**

Conversions

Conversions Part 1

Format	Color
Hex	4A5C65
RGB	74, 92, 101
RGB Percent	29%, 36%, 40%
CMY	0.7098, 0.6392, 0.6040
CMYK	0.27, 0.09, 0.00, 0.60
HSL	200°, 15%, 34%
HSV	200°, 27%, 40%
XYZ	8.9993, 10.0504, 13.7735
YIQ	87.6440, -13.6170, -1.0170

Conversions

Conversions Part 2

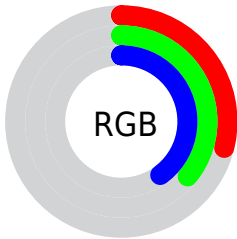
Format	Color
R_{YB}	74, 85, 101
Decimal	4873317
CIE _{Lab}	37.93, -4.58, -7.41
CIE _{LCh}	38, 8.710, 238.297
Yxy	10.0504, 0.2742, 0.3062
Android (android.graphics.Color)	4283063397 (0xFF4A5C65)
YUV	87.6440, 6.5845, -11.9658
Hunter-Lab	31.7023, -4.8083, -3.5678

Details

The YIQ color **87.6440, -13.6170, -1.0170** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **87.3560, 13.6170, 1.0170**, and the grayscale version is **88.0000, -0.0000, -0.0000**.

A 20% lighter version of the original color is **137.4590, -14.5340, -0.9180**, and **41.8290, -12.7000, -1.1160** is the 20% darker color. If you saturate the color by 10%, you get **82.8930, -18.7520, -1.5680**, and if you desaturate by 10%, it is **92.3950, -8.4820, -0.4660**.

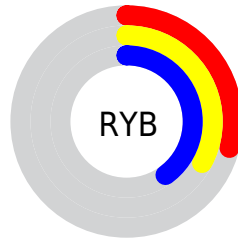
Distribution



Red (29%)

Green (36%)

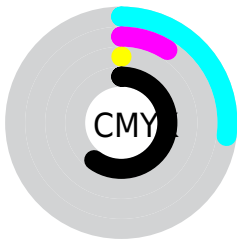
Blue (40%)



Red (29%)

Yellow (33%)

Blue (40%)

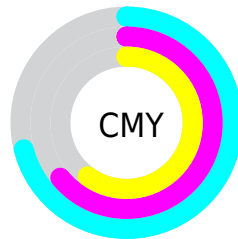


Cyan (27%)

Magenta (9%)

Yellow (0%)

Black (60%)



Cyan (71%)

Magenta (64%)

Yellow (60%)

Brightness & Saturation Gradients

These gradients show how the YIQ color 87.6440, -13.6170, -1.0170 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 87.6440, -13.6170, -1.0170 by changing the saturation by 10% instead.

■ 87.6440, -13.6170,
-1.0170

■ 87.6440, -13.6170,
-1.0170

■ 255.0000, -0.0000,
-0.0000

■ 64.5300, -13.2960,
-1.3280

■ 137.4590,
-14.5340, -0.9180

■ 41.8290, -12.7000,
-1.1160

■ 164.1600,
-15.1300, -1.1300

■ 21.1170, -13.5710,
-1.8510

■ 191.1600,
-15.1300, -1.1300

■ 1.0260, -2.8890,
2.7990

■ 219.1600,
-15.1300, -1.1300

■ 0.0000, 0.0000,
0.0000

■ 246.3620,
-12.8830, -3.3070

■ 87.6440, -13.6170,
-1.0170

■ 87.6440, -13.6170,
-1.0170

■ 82.8930, -18.7520,
-1.5680

■ 92.3950, -8.4820,
-0.4660

■ 77.5550, -23.6120,
-1.5960

■ 97.7330, -3.6220,
-0.4380

■ 72.8040, -28.7470,
-2.1470

■ 102.4840, 1.5130,
0.1130

■ 68.0530, -33.8820,
-2.6980

■ 107.2350, 6.6480,
0.6640

■ 62.4160, -39.3380,
-2.9380

■ 112.5730, 11.5080,
0.6920

■ 57.6650, -44.4730,
-3.4890

■ 117.6230, 17.2390,
1.4550

■ 52.9140, -49.6080,
-4.0400

■ 122.9610, 22.0990,
1.4830

■ 50.8430, -50.8460,

■ 127.7120, 27.2340,

-3.6300

2.0340

■ 132.4630, 32.3690,
2.5850

Harmonies

Analogous

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



86.7640, -14.0750, -3.7310



87.6440, -13.6170, -1.0170



88.7910, -9.5370, 2.1350

Triad

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



87.6440, -13.6170, -1.0170



90.9520, 9.1230, 5.3710



88.5070, 2.7060, -4.9900

Complementary

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



87.6440, -13.6170, -1.0170



87.3560, 13.6170, 1.0170

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.



89.1980, 8.0700, -3.0820



87.6440, -13.6170, -1.0170



90.4530, 11.9660, 3.4060

Square

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



87.6440, -13.6170, -1.0170



90.8420, 3.6210, 5.9650



89.5730, 11.5080, 0.6920



87.8590, -4.2170, -6.1770

Rectangle

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



87.6440, -13.6170, -1.0170



89.4110, -5.4110, 4.4530



89.5730, 11.5080, 0.6920



88.4040, 4.4940, -4.3540

Sweetspot

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



87.6440, -13.6170, -1.0170



125.2490, -5.1350, -0.5510



90.8750, -10.3140, -11.3220



63.0320, -3.0260, -0.2260



194.0000, -0.0000, 0.0000



66.0000, -0.0000, -0.0000

Same Dimension

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



87.6440, -13.6170, -1.0170



109.2240, -21.1820, -1.5820



80.0130, -10.0420, 5.7820



48.3310, -2.4300, -0.0140



58.3090, -58.0900, -4.5060



122.6820, -122.2320, -9.4640

Inverse Universe

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



84.1250, 10.3140, 11.3220



103.7500, 16.0440, 17.6120



94.9870, 10.0420, -5.7820



47.8370, 2.0170, 1.9930



43.1630, 43.8230, 48.3270



90.8260, 92.2300, 101.6860

Previews

White Background



This preview shows how the YIQ color 87.6440, -13.6170, -1.0170 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 87.6440, -13.6170, -1.0170 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

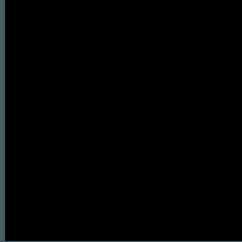
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

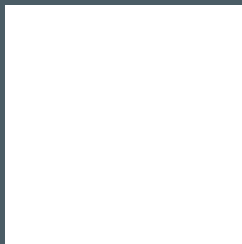
If you want to check with other color combinations, try the [Color Contrast Checker](#).

YIQ 87.6440, -13.6170, -1.0170

Background



This preview shows how black text looks on a background with the YIQ color 87.6440, -13.6170, -1.0170.



This preview shows how white text looks on a background with the YIQ color 87.6440, -13.6170,

-1.0170.

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

87.6440, -13.6170, -1.0170

Protanopia

89.2540, -3.5310, 3.4210

Deuteranopia

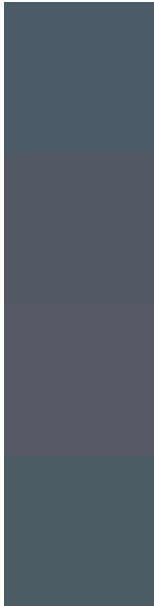
90.2050, -1.8350, 5.7250



Tritanopia

87.5300, -13.2960, -1.3280

Trichromacy



Original Color

87.6440, -13.6170, -1.0170

Protanomaly

88.4600, -7.1070, 2.1490

Deuteranomaly

89.2860, -6.5570, 3.1950

Tritanomaly

87.5300, -13.2960, -1.3280

Monochromacy



Original Color

87.6440, -13.6170, -1.0170

Achromatopsia

88.0000, -0.0000, -0.0000

Achromatomaly

87.6620, -4.8600, -0.0280

CSS Examples

Text

The CSS property to change the color of the text to YIQ 87.6440, -13.6170, -1.0170 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(74, 92, 101)` looks like.

```
.text, #text, p{  
    color:rgb(74, 92, 101)  
}
```

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(74, 92, 101) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(74, 92, 101) }
```

Border

The CSS property to change the border of an element to YIQ 87.6440, -13.6170, -1.0170 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(74, 92, 101) }
```


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

```
.border{ border-color:rgb(74, 92, 101) }
```

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

Here you see how a box with a 4 pixel rgb(74, 92, 101) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(74, 92, 101); -webkit-box-  
shadow:4px 4px 4px 4px rgb(74, 92, 101);  
box-shadow:4px 4px 4px 4px rgb(74, 92,  
101) }
```

Background

The CSS property to change the background color of an element to YIQ 87.6440, -13.6170, -1.0170 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(74, 92, 101) }
```

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

```
.background{ background-color: rgb(74, 92,  
101) }
```

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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