

Converting Colors

YIQ(36.7590, -24.8470,
-17.7670)

Have a look what the booklet for
YIQ(36.7590, -24.8470, -17.7670)
contains.

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Color

**YIQ(36.7590, -24.8470,
-17.7670)**

Conversions

Conversions Part 1

Format	Color
Hex	023722
RGB	2, 55, 34
RGB Percent	1%, 22%, 13%
CMY	0.9923, 0.7842, 0.8667
CMYK	0.96, 0.00, 0.38, 0.78
HSL	156°, 93%, 11%
HSV	156°, 96%, 22%
XYZ	1.6803, 2.8625, 1.9758
YIQ	36.7590, -24.8470, -17.7670

Conversions

Conversions Part 2

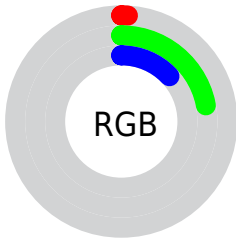
Format	Color
R_{YB}	2, 35, 55
Decimal	145186
CIE _{Lab}	19.48, -22.70, 8.62
CIE _{LCh}	19, 24.283, 159.196
Yxy	2.8625, 0.2578, 0.4391
Android (android.graphics.Color)	4278335266 (0xFF023722)
YUV	36.7590, -1.3602, -30.4836
Hunter-Lab	16.9190, -11.8811, 4.9196

Details

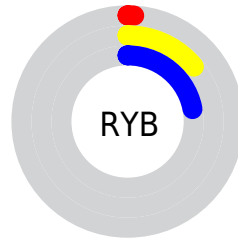
The YIQ color **36.7590, -24.8470, -17.7670** is a dark color, and the websafe version is hex **003333**. A complement of this color would be **20.2410, 24.8470, 17.7670**, and the grayscale version is **37.0000, -0.0000, 0.0000**.

A 20% lighter version of the original color is **84.9120, -20.9040, -17.6400**, and **0.0000, 0.0000, 0.0000** is the 20% darker color. If you saturate the color by 10%, you get **36.0470, -25.7180, -18.5020**, and if you desaturate by 10%, it is **38.4820, -22.5090, -16.0850**.

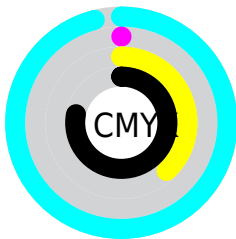
Distribution



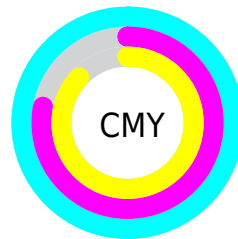
- Red (1%)
- Green (22%)
- Blue (13%)



- Red (1%)
- Yellow (14%)
- Blue (22%)



- Cyan (96%)
- Magenta (0%)
- Yellow (38%)
- Black (78%)



- Cyan (99%)
- Magenta (78%)
- Yellow (87%)

Brightness & Saturation Gradients

These gradients show how the YIQ color 36.7590, -24.8470, -17.7670 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 36.7590, -24.8470, -17.7670 by changing the saturation by 10% instead.

■ 36.7590, -24.8470,
-17.7670

■ 36.7590, -24.8470,
-17.7670

■ 250.5150, -8.9400,
-3.1800

■ 21.3260, -13.2020,
-14.0500

■ 85.4990, -21.1790,
-18.1630

■ 0.0000, 0.0000,
0.0000

■ 110.3850,
-20.8580, -18.4740


■ 135.9720,
-21.1330, -18.9970


■ 162.5590,
-21.4080, -19.5200


■ 189.8470,
-22.2790, -20.2550


■ 217.8470,


-22.2790, -20.2550


 239.9770,
-19.5290, -15.0250


 36.7590, -24.8470,
-17.7670


 36.7590, -24.8470,
-17.7670


 36.0470, -25.7180,
-18.5020

 38.4820, -22.5090,
-16.0850

 40.5040, -19.5750,
-14.1910

 42.3410, -17.5580,
-12.1980

 44.3630, -14.6240,
-10.3040

 46.0860, -12.2860,
-8.6220

■ 48.1080, -9.3520,
-6.7280

■ 49.8310, -7.0140,
-5.0460

■ 51.8530, -4.0800,
-3.1520

■ 53.6900, -2.0630,
-1.1590

Harmonies

Analogous

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



42.4430, -0.4100, -14.6020



36.7590, -24.8470, -17.7670



38.8000, -32.0920, -13.1160

Triad

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



36.7590, -24.8470, -17.7670



44.1130, -24.9430, 6.0090



46.5320, 27.9210, 6.1050

Complementary

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



36.7590, -24.8470, -17.7670



20.2410, 24.8470, 17.7670

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.



46.9050, 25.6730, 13.8090



36.7590, -24.8470, -17.7670



48.4750, -2.2950, 14.0650

Square

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



36.7590, -24.8470, -17.7670



39.6440, -39.9800, -2.3160



48.6250, 14.8980, 16.3540



46.1690, 24.2090, -3.7190

Rectangle

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



36.7590, -24.8470, -17.7670



40.1680, -35.9440, -9.3840



48.6250, 14.8980, 16.3540



46.5260, 28.0580, 9.1300

Sweetspot

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



36.7590, -24.8470, -17.7670



64.1080, -9.3520, -6.7280



39.3900, -2.0590, -23.2670



31.5430, -6.1430, -4.3110



163.0000, -0.0000, -0.0000



36.0000, -0.0000, 0.0000

Same Dimension

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



36.7590, -24.8470, -17.7670



46.5790, -33.3280, -23.7600



36.2180, -30.2130, -8.6210



26.9890, -1.4670, -0.9470



60.2740, -42.9550, -31.0110



143.6010, -102.5970, -73.4850

Inverse Universe

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



20.2410, 24.8470, 17.7670



24.4210, 33.3280, 23.7600



20.7820, 30.2130, 8.6210



26.0110, 1.4670, 0.9470



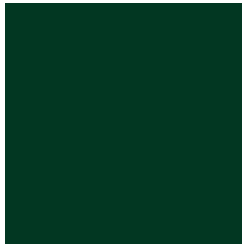
31.6120, 43.2760, 30.7000



75.3990, 102.5970, 73.4850

Previews

White Background



This preview shows how the YIQ color 36.7590, -24.8470, -17.7670 looks on a white background.

Color Contrast Check

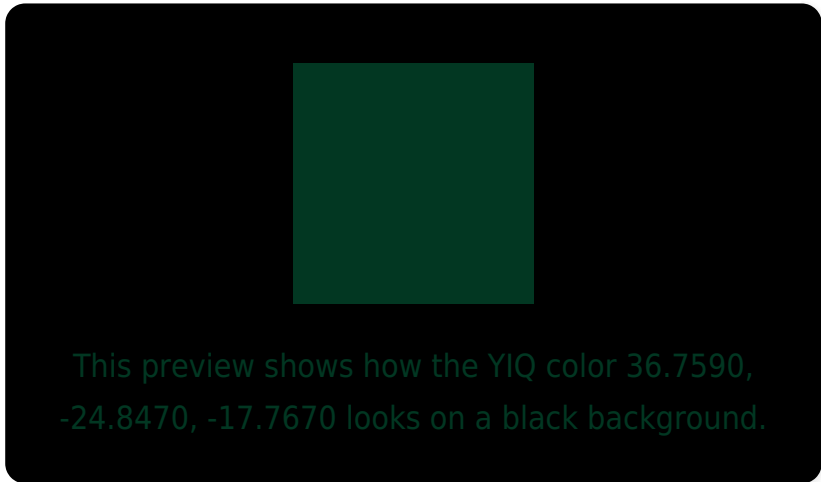
Large Text (above 18pt) WCAG AA ✓ Pass

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

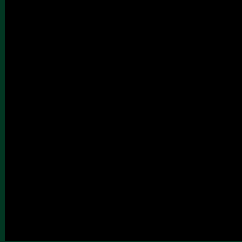
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

YIQ 36.7590, -24.8470, -17.7670

Background



This preview shows how black text looks on a background with the YIQ color 36.7590, -24.8470, -17.7670.



This preview shows how white text looks on a background with the YIQ color 36.7590, -24.8470,

-17.7670.

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

36.7590, -24.8470, -17.7670

Protanopia

47.2580, 7.8410, -4.4390

Deuteranopia

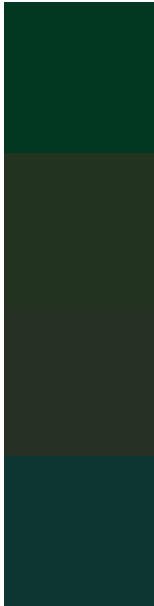
47.8500, 9.1700, -0.9900



Tritanopia

43.0020, -20.6770, -5.2290

Trichromacy



Original Color

36.7590, -24.8470, -17.7670

Protanomaly

43.7510, -4.0330, -9.5130

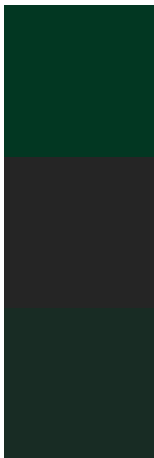
Deuteranomaly

43.5170, -3.2540, -7.1100

Tritanomaly

40.5840, -22.5560, -9.7240

Monochromacy



Original Color

36.7590, -24.8470, -17.7670

Achromatopsia

37.0000, -0.0000, 0.0000

Achromatomaly

37.1080, -9.3520, -6.7280

CSS Examples

Text

The CSS property to change the color of the text to YIQ 36.7590, -24.8470, -17.7670 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(2, 55, 34)` looks like.

```
.text, #text, p{  
    color:rgb(2, 55, 34)  
}
```

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(2, 55, 34) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(2, 55, 34) }
```

Border

The CSS property to change the border of an element to YIQ 36.7590, -24.8470, -17.7670 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(2, 55, 34) }
```


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

```
.border{ border-color:rgb(2, 55, 34) }
```

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

Here you see how a box with a 4 pixel rgb(2, 55, 34) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(2, 55, 34); -webkit-box-shadow:4px  
4px 4px 4px rgb(2, 55, 34); box-shadow:4px  
4px 4px 4px rgb(2, 55, 34) }
```

Background

The CSS property to change the background color of an element to YIQ 36.7590, -24.8470, -17.7670 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(2, 55, 34) }
```

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

```
.background{ background-color: rgb(2, 55,  
34) }
```

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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