

Converting Colors

YIQ(49.7780, -35.0260,
-15.0100)

Have a look what the booklet for
YIQ(49.7780, -35.0260, -15.0100)
contains.

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Color

**YIQ(49.7780, -35.0260,
-15.0100)**

Conversions

Conversions Part 1

Format	Color
Hex	07453F
RGB	7, 69, 63
RGB Percent	3%, 27%, 25%
CMY	0.9727, 0.7293, 0.7531
CMYK	0.90, 0.00, 0.09, 0.73
HSL	174°, 82%, 15%
HSV	174°, 90%, 27%
XYZ	3.1131, 4.6629, 5.4336
YIQ	49.7780, -35.0260, -15.0100

Conversions

Conversions Part 2

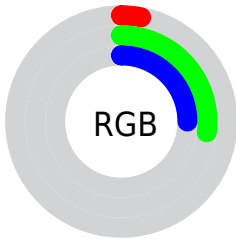
Format	Color
R_{YB}	7, 40, 69
Decimal	476479
CIE _{Lab}	25.75, -19.99, -1.65
CIE _{LCh}	26, 20.056, 184.710
Yxy	4.6629, 0.2357, 0.3530
Android (android.graphics.Color)	4278666559 (0xFF07453F)
YUV	49.7780, 6.5184, -37.5163
Hunter-Lab	21.5937, -12.0550, 0.1966

Details

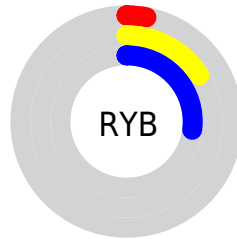
The YIQ color **49.7780, -35.0260, -15.0100** is a dark color, and the websafe version is hex **003333**. A complement of this color would be **26.2220, 35.0260, 15.0100**, and the grayscale version is **50.0000, -0.0000, -0.0000**.

A 20% lighter version of the original color is **100.7570, -30.5330, -13.8370**, and **18.2430, -14.1660, -7.5900** is the 20% darker color. If you saturate the color by 10%, you get **47.5710, -38.8770, -16.8050**, and if you desaturate by 10%, it is **51.9850, -31.1750, -13.2150**.

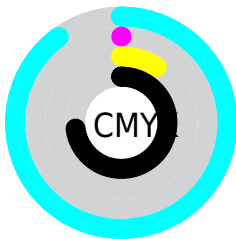
Distribution



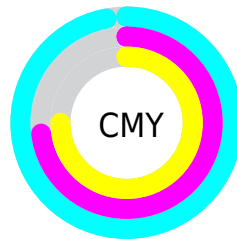
- Red (3%)
- Green (27%)
- Blue (25%)



- Red (3%)
- Yellow (16%)
- Blue (27%)



- Cyan (90%)
- Magenta (0%)
- Yellow (9%)
- Black (73%)



- Cyan (97%)
- Magenta (73%)
- Yellow (75%)

Brightness & Saturation Gradients

These gradients show how the YIQ color 49.7780, -35.0260, -15.0100 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 49.7780, -35.0260, -15.0100 by changing the saturation by 10% instead.

■ 49.7780, -35.0260,
-15.0100

■ 49.7780, -35.0260,
-15.0100

■ 254.7010, -0.5960,
-0.2120

■ 31.6760, -25.8110,
-11.3070

■ 100.6430,
-30.2120, -14.1480

■ 18.2430, -14.1660,
-7.5900

■ 126.0560,
-29.9370, -13.6250

■ 0.0000, 0.0000,
0.0000


■ 152.6430,
-30.2120, -14.1480


■ 179.3440,
-30.8080, -14.3600


■ 207.6320,
-31.6790, -15.0950


■ 235.6320,


-31.6790, -15.0950


 246.0300,
-17.8800, -6.3600


 49.7780, -35.0260,
-15.0100


 49.7780, -35.0260,
-15.0100


 47.5710, -38.8770,
-16.8050

 51.9850, -31.1750,
-13.2150

 54.0780, -27.0030,
-11.7310

 56.2850, -23.1520,
-9.9360

 58.4920, -19.3010,
-8.1410

 60.2860, -15.7250,
-6.8690

■ 62.4930, -11.8740,
-5.0740

■ 64.7000, -8.0230,
-3.2790

■ 66.7930, -3.8510,
-1.7950

■ 69.0000, -0.0000,
-0.0000

Harmonies

Analogous

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



55.1410, -14.1190, -13.9510



49.7780, -35.0260, -15.0100



48.8080, -43.7380, -11.3060

Triad

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



49.7780, -35.0260, -15.0100



62.4100, -3.6700, 11.4500



60.9670, 21.9620, -1.5420

Complementary

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



49.7780, -35.0260, -15.0100



26.2220, 35.0260, 15.0100

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.



61.5640, 24.8950, 5.8790



49.7780, -35.0260, -15.0100



62.8910, 11.0930, 13.7250

Square

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



49.7780, -35.0260, -15.0100



59.3260, -21.2290, 4.7790



62.3990, 21.2260, 11.8020



59.5590, 14.1230, -8.1570

Rectangle

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



49.7780, -35.0260, -15.0100



49.0190, -45.7100, -8.6060



62.3990, 21.2260, 11.8020



61.3310, 23.9330, 1.2850

Sweetspot

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



49.7780, -35.0260, -15.0100



81.5960, -13.6620, -5.7100



45.1880, -13.4740, -31.1540



41.2870, -8.2980, -3.8020



173.0000, -0.0000, 0.0000



46.0000, 0.0000, -0.0000

Same Dimension

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



49.7780, -35.0260, -15.0100



61.4770, -50.4760, -21.3560



35.7870, -30.0770, -0.0690



34.6900, -2.0630, -1.1590



68.3730, -56.1150, -23.7870



156.6190, -128.2300, -54.9660

Inverse Universe

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



26.2220, 35.0260, 15.0100



27.6370, 50.1550, 21.6670



40.2130, 30.0770, 0.0690



33.1960, 2.3840, 0.8480



30.7410, 55.7940, 24.0980



70.3810, 128.2300, 54.9660

Previews

White Background



This preview shows how the YIQ color 49.7780, -35.0260, -15.0100 looks on a white background.

Color Contrast Check

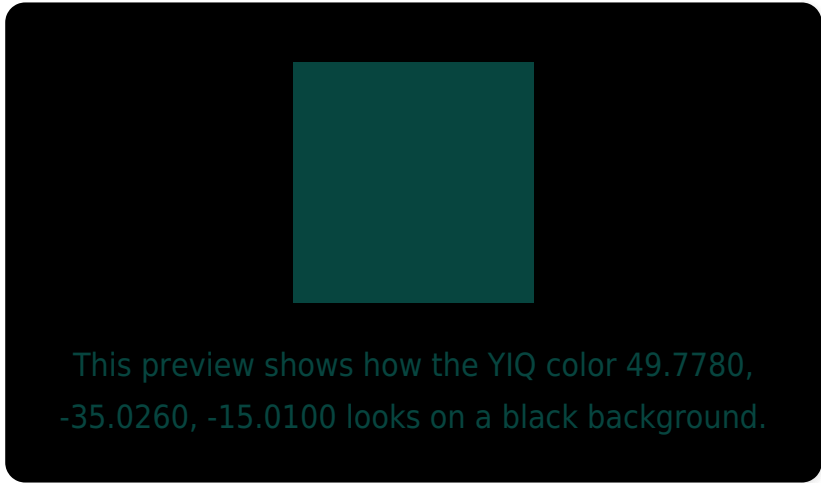
Large Text (above 18pt) WCAG AA ✓ Pass

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

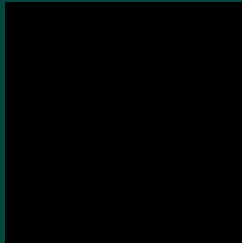
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

YIQ 49.7780, -35.0260, -15.0100

Background



This preview shows how black text looks on a background with the YIQ color 49.7780, -35.0260, -15.0100.



This preview shows how white text looks on a background with the YIQ color 49.7780, -35.0260,

-15.0100.

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

49.7780, -35.0260, -15.0100

Protanopia

61.2560, 2.1550, -0.5090

Deuteranopia

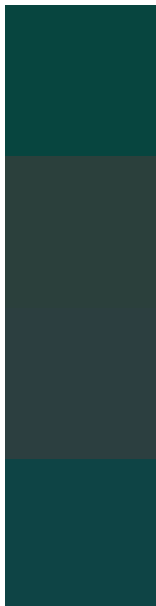
61.4780, 1.6500, 3.1380



Tritanopia

53.6200, -31.4050, -9.0450

Trichromacy



Original Color

49.7780, -35.0260, -15.0100

Protanomaly

57.2650, -11.2320, -5.6960

Deuteranomaly

57.4330, -11.6450, -3.7170

Tritanomaly

51.9680, -32.5050, -11.1370

Monochromacy



Original Color

49.7780, -35.0260, -15.0100

Achromatopsia

50.0000, -0.0000, -0.0000

Achromatomaly

49.8950, -13.0660, -5.4980

CSS Examples

Text

The CSS property to change the color of the text to YIQ 49.7780, -35.0260, -15.0100 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(7, 69, 63)` looks like.

```
.text, #text, p{  
    color:rgb(7, 69, 63)  
}
```

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(7, 69, 63) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(7, 69, 63) }
```

Border

The CSS property to change the border of an element to YIQ 49.7780, -35.0260, -15.0100 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(7, 69, 63) }
```


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

```
.border{ border-color:rgb(7, 69, 63) }
```

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

Here you see how a box with a 4 pixel rgb(7, 69, 63) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(7, 69, 63); -webkit-box-shadow:4px  
4px 4px 4px rgb(7, 69, 63); box-shadow:4px  
4px 4px 4px rgb(7, 69, 63) }
```

Background

The CSS property to change the background color of an element to YIQ 49.7780, -35.0260, -15.0100 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(7, 69, 63) }
```

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

```
.background{ background-color: rgb(7, 69,  
63) }
```

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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