

Converting Colors

YIQ(36.8760, -10.9140, 10.5740)

Have a look what the booklet for
YIQ(36.8760, -10.9140, 10.5740)
contains.

YIQ(36.8760, -10.9140, 10.5740)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**YIQ(36.8760, -10.9140,
10.5740)**

Conversions

Conversions Part 1

Format	Color
Hex	212143
RGB	33, 33, 67
RGB Percent	13%, 13%, 26%
CMY	0.8706, 0.8706, 0.7373
CMYK	0.51, 0.51, 0.00, 0.74
HSL	240°, 34%, 20%
HSV	240°, 51%, 26%
XYZ	2.1838, 1.8162, 5.5429
YIQ	36.8760, -10.9140, 10.5740

Conversions

Conversions Part 2

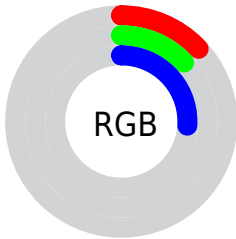
Format	Color
R_YB	33, 33, 67
Decimal	2171203
CIE _{Lab}	14.49, 10.72, -21.55
CIE _{LCh}	14, 24.069, 296.437
Yxy	1.8162, 0.2288, 0.1903
Android (android.graphics.Color)	4280361283 (0xFF212143)
YUV	36.8760, 14.8511, -3.3993
Hunter-Lab	13.4766, 5.3412, -14.9522

Details

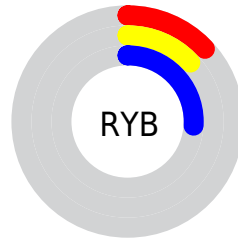
The YIQ color **36.8760, -10.9140, 10.5740** is a dark color, and the websafe version is hex **333366**. A complement of this color would be **63.1240, 10.9140, -10.5740**, and the grayscale version is **37.0000, -0.0000, 0.0000**.

A 20% lighter version of the original color is **82.2290, -10.4100, 12.4540**, and **3.3230, -7.9790, 6.9410** is the 20% darker color. If you saturate the color by 10%, you get **30.6740, -13.1610, 12.7510**, and if you desaturate by 10%, it is **43.0780, -8.6670, 8.3970**.

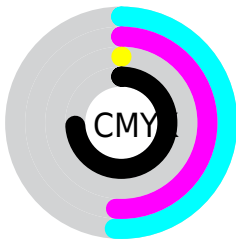
Distribution



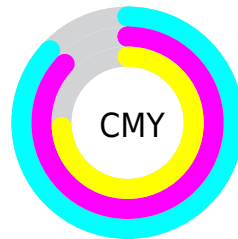
- Red (13%)
- Green (13%)
- Blue (26%)



- Red (13%)
- Yellow (13%)
- Blue (26%)



- Cyan (51%)
- Magenta (51%)
- Yellow (0%)
- Black (74%)



- Cyan (87%)
- Magenta (87%)
- Yellow (74%)

Brightness & Saturation Gradients

These gradients show how the YIQ color 36.8760, -10.9140, 10.5740 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 36.8760, -10.9140, 10.5740 by changing the saturation by 10% instead.

■ 36.8760, -10.9140,
10.5740

■ 36.8760, -10.9140,
10.5740

■ 255.0000, -0.0000,
-0.0000

■ 15.1750, -10.3180,
10.7860

■ 82.2290, -10.4100,
12.4540

■ 3.3230, -7.9790,
6.9410

■ 106.4570,
-11.0520, 13.0760

■ 0.0000, 0.0000,
0.0000

■ 131.8700,
-10.7770, 13.5990

■ 158.0980,
-11.4190, 14.2210

■ 184.6250,
-11.4650, 15.0550

■ 212.6250,

-11.4650, 15.0550

■ 238.1880, -3.1650,
7.8030

■ 36.8760, -10.9140,
10.5740

■ 36.8760, -10.9140,
10.5740

■ 30.6740, -13.1610,
12.7510

■ 43.0780, -8.6670,
8.3970

■ 25.3580, -15.0870,
14.6170

■ 48.3940, -6.7410,
6.5310

■ 19.1560, -17.3340,
16.7940

■ 54.5960, -4.4940,
4.3540

■ 12.9540, -19.5810,
18.9710

■ 60.7980, -2.2470,
2.1770

■ 7.6380, -21.5070,
20.8370

■ 66.1140, -0.3210,
0.3110

■ 72.3160, 1.9260,
-1.8660

■ 78.5180, 4.1730,
-4.0430

■ 84.7200, 6.4200,
-6.2200

■ 90.0360, 8.3460,
-8.0860

Harmonies

Analogous

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



30.8730, -33.1950, 1.3730



36.8760, -10.9140, 10.5740



38.0910, 7.6540, 15.4780

Triad

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



36.8760, -10.9140, 10.5740



34.8320, 26.7760, -0.6800



29.7040, -23.0140, -12.4380

Complementary

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



36.8760, -10.9140, 10.5740



63.1240, 10.9140, -10.5740

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.



29.2720, -13.1100, -15.7180



36.8760, -10.9140, 10.5740



34.8970, 18.9830, -8.1290

Square

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



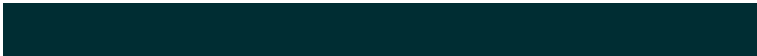
36.8760, -10.9140, 10.5740



35.5690, 26.4990, 9.8510



33.0480, 8.0720, -14.1360



32.2290, -28.7460, -7.6740

Rectangle

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



36.8760, -10.9140, 10.5740



36.8810, 17.0530, 15.8450



33.0480, 8.0720, -14.1360



29.0200, -21.0880, -14.3040

Sweetspot

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



36.8760, -10.9140, 10.5740



75.4820, -4.1730, 4.0430



56.8340, -20.2640, -7.2080



36.7980, -2.2470, 2.1770



171.0000, -0.0000, -0.0000



43.0000, -0.0000, -0.0000

Same Dimension

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



36.8760, -10.9140, 10.5740



40.0420, -17.0130, 16.4830



41.9590, -0.7820, 14.1780



30.3420, -0.9630, 0.9330



11.0580, -31.1370, 30.1670



25.5360, -71.9040, 69.6640

Inverse Universe

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



47.0420, 9.3500, 17.7820



55.8890, 14.5750, 27.7190



58.0410, 0.7820, -14.1780



31.2390, 0.8250, 1.5690



40.0610, 26.6750, 50.7310



92.5120, 61.6000, 117.1520

Previews

White Background



This preview shows how the YIQ color 36.8760, -10.9140, 10.5740 looks on a white background.

Color Contrast Check

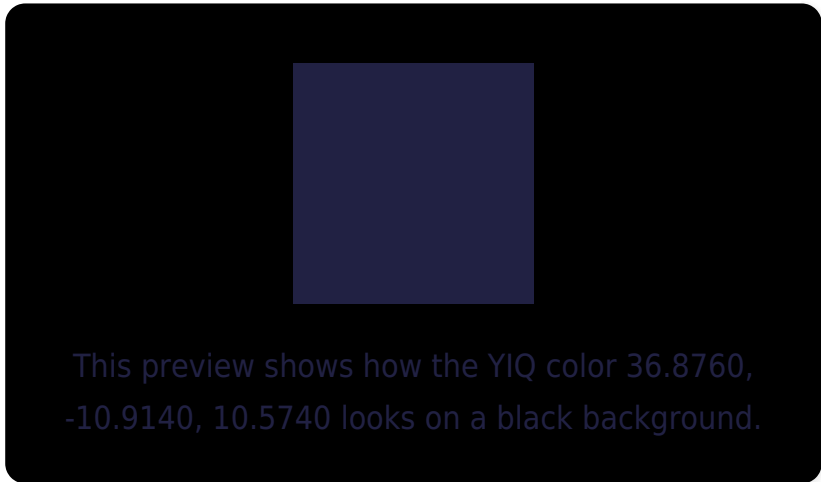
Large Text (above 18pt) WCAG AA ✓ Pass

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

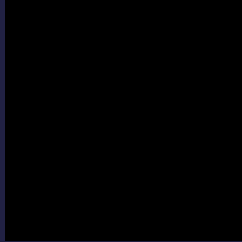
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

YIQ 36.8760, -10.9140, 10.5740

Background



This preview shows how black text looks on a background with the YIQ color 36.8760, -10.9140, 10.5740.



This preview shows how white text looks on a background with the YIQ color 36.8760, -10.9140,

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

36.8760, -10.9140, 10.5740

Protanopia

34.4940, -21.6420, 6.7580

Deuteranopia

31.3360, -27.1890, 2.6590



Tritanopia

35.1560, -9.3070, -2.0350

Trichromacy



Original Color

36.8760, -10.9140, 10.5740

Protanomaly

35.2880, -18.0660, 8.0300

Deuteranomaly

33.4400, -21.5500, 5.0900

Tritanomaly

35.9050, -9.8580, 2.4460

Monochromacy



Original Color

36.8760, -10.9140, 10.5740

Achromatopsia

37.0000, -0.0000, 0.0000

Achromatomaly

37.3680, -3.8520, 3.7320

CSS Examples

Text

The CSS property to change the color of the text to YIQ 36.8760, -10.9140, 10.5740 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(33, 33, 67)` looks like.

```
.text, #text, p{  
    color:rgb(33, 33, 67)  
}
```

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(33, 33, 67) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(33, 33, 67) }
```

Border

The CSS property to change the border of an element to YIQ 36.8760, -10.9140, 10.5740 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(33, 33, 67) }
```


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

```
.border{ border-color:rgb(33, 33, 67) }
```

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

Here you see how a box with a 4 pixel `rgb(33, 33, 67)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(33, 33, 67); -webkit-box-  
shadow:4px 4px 4px 4px rgb(33, 33, 67);  
box-shadow:4px 4px 4px 4px rgb(33, 33, 67)  
}
```

Background

The CSS property to change the background color of an element to YIQ 36.8760, -10.9140, 10.5740 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(33, 33, 67) }
```

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

```
.background{ background-color: rgb(33, 33,  
67) }
```

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