

# Converting Colors

YIQ(36.5500, 1.1470, -4.2690)

Have a look what the booklet for  
YIQ(36.5500, 1.1470, -4.2690)  
contains.

<b>YIQ(36.5500, 1.1470, -4.2690)</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(36.5500, 1.1470,  
-4.2690)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	23271C
RGB	35, 39, 28
RGB Percent	14%, 15%, 11%
CMY	0.8628, 0.8470, 0.8902
CMYK	0.10, 0.00, 0.28, 0.85
HSL	82°, 16%, 13%
HSV	82°, 28%, 15%
XYZ	1.6282, 1.8923, 1.3782
YIQ	36.5500, 1.1470, -4.2690

# Conversions

## Conversions Part 2

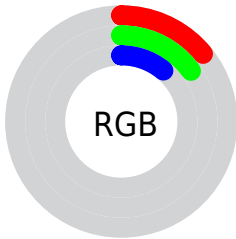
<b>Format</b>	<b>Color</b>
<b>RYB</b>	28, 39, 32
Decimal	2303772
CIELab	14.91, -4.35, 6.68
CIELCh	15, 7.973, 123.030
Yxy	1.8923, 0.3324, 0.3863
Android (android.graphics.Color)	4280493852 (0xFF23271C)
YUV	36.5500, -4.2151, -1.3593
Hunter-Lab	13.7559, -2.9449, 3.6887

# Details

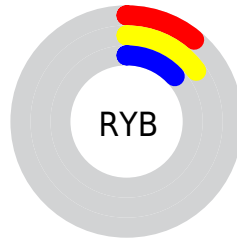
The YIQ color **36.5500, 1.1470, -4.2690** is a dark color, and the websafe version is hex **333333**. A complement of this color would be **30.4500, -1.1470, 4.2690**, and the grayscale version is **37.0000, -0.0000, 0.0000**.

A 20% lighter version of the original color is **81.0230, 1.1930, -5.1030**, and **0.0000, 0.0000, 0.0000** is the 20% darker color. If you saturate the color by 10%, you get **35.7950, 1.8350, -5.7250**, and if you desaturate by 10%, it is **37.3050, 0.4590, -2.8130**.

# Distribution



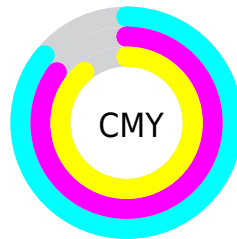
- Red (14%)
- Green (15%)
- Blue (11%)



- Red (11%)
- Yellow (15%)
- Blue (13%)



- Cyan (10%)
- Magenta (0%)
- Yellow (28%)
- Black (85%)



- Cyan (86%)
- Magenta (85%)
- Yellow (89%)

# Brightness & Saturation Gradients

These gradients show how the YIQ color 36.5500, 1.1470, -4.2690 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 36.5500, 1.1470, -4.2690 by changing the saturation by 10% instead.



■ 36.5500, 1.1470,  
-4.2690

■ 36.5500, 1.1470,  
-4.2690

■ 255.0000, -0.0000,  
-0.0000

■ 14.8660, 3.0730,  
-6.1350

■ 81.0230, 1.1930,  
-5.1030

■ 0.0000, 0.0000,  
0.0000

■ 105.3220, 1.7890,  
-4.8910

■ 130.3220, 1.7890,  
-4.8910

■ 156.2080, 2.1100,  
-5.2020

■ 182.9090, 1.5140,  
-5.4140

■ 210.7950, 1.8350,

-5.7250

■ 238.7950, 1.8350,  
-5.7250

■ 36.5500, 1.1470,  
-4.2690

■ 36.5500, 1.1470,  
-4.2690

■ 35.7950, 1.8350,  
-5.7250

■ 37.3050, 0.4590,  
-2.8130

■ 34.7410, 1.9270,  
-7.3930

■ 38.3590, 0.3670,  
-1.1450

■ 33.9860, 2.6150,  
-8.8490

■ 39.1140, -0.3210,  
0.3110

■ 32.9320, 2.7070,  
-10.5170

■ 40.1680, -0.4130,  
1.9790

■ 32.2910, 3.0740,  
-11.6620

■ 40.9230, -1.1010,  
3.4350

■ 31.2370, 3.1660,  
-13.3300

■ 41.8630, -0.8720,  
4.7920

■ 30.4820, 3.8540,  
-14.7860

■ 42.6180, -1.5600,  
6.2480

■ 30.3680, 4.1750,  
-15.0970

■ 43.3730, -2.2480,  
7.7040

■ 44.4270, -2.3400,  
9.3720

# Harmonies

## Analogous

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



36.9420, 5.9150, -2.5730



36.5500, 1.1470, -4.2690



35.7990, -3.9880, -4.8200

# Triad

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



36.5500, 1.1470, -4.2690



35.7260, -10.9120, -0.4800



38.2400, 8.2520, 4.6360

# Complementary

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



36.5500, 1.1470, -4.2690



30.4500, -1.1470, 4.2690

# 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.



38.3150, 3.6670, 5.1310



36.5500, 1.1470, -4.2690



37.4600, -7.1070, 2.1490

# Square

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



36.5500, 1.1470, -4.2690



34.9600, -11.6910, -2.8830



38.1510, -1.7430, 4.0570



38.2570, 9.5820, 2.5580



# Rectangle

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



36.5500, 1.1470, -4.2690



35.6460, -7.9310, -4.9470



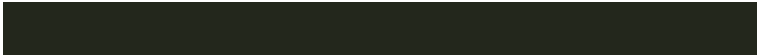
38.1510, -1.7430, 4.0570



38.7560, 6.7390, 4.5230

# Sweetspot

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



36.5500, 1.1470, -4.2690



50.2450, 0.6880, -1.4560



33.6370, 5.4560, 0.2400



25.3590, 0.3670, -1.1450



153.0000, 0.0000, -0.0000



26.0000, -0.0000, -0.0000



# Same Dimension

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



36.5500, 1.1470, -4.2690



47.2680, 1.8810, -6.5590



35.0550, -1.8330, -5.3290



19.7720, 0.6420, -0.6220



65.1550, 8.4880, -32.6960



164.8090, 22.1600, -82.2560



# Inverse Universe

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



30.4500, -1.1470, 4.2690



37.7320, -1.8810, 6.5590



31.9450, 1.8330, 5.3290



18.5270, -0.0460, 0.8340



18.8450, -8.4880, 32.6960

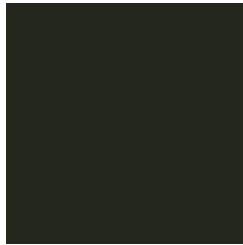


47.1910, -22.1600, 82.2560



# Previews

## White Background



This preview shows how the YIQ color 36.5500, 1.1470, -4.2690 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

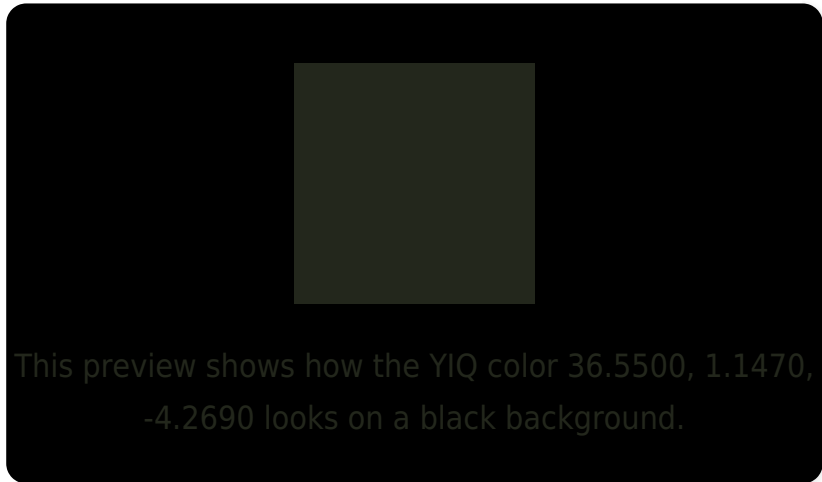
Any Text WCAG AA ✓ Pass

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 36.5500, 1.1470, -4.2690**

## **Background**



This preview shows how black text looks on a background with the YIQ color 36.5500, 1.1470, -4.2690.



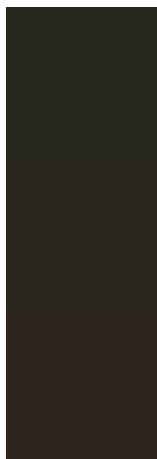
This preview shows how white text looks on a background with the YIQ color 36.5500, 1.1470,

-4.2690.

# 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

36.5500, 1.1470, -4.2690

### Protanopia

36.7570, 4.9980, -2.4740

### Deuteranopia

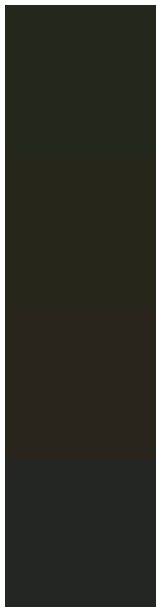
37.5940, 7.0150, -0.4810



## Tritanopia

37.3420, -0.9630, 0.9330

# Trichromacy



## Original Color

36.5500, 1.1470, -4.2690

## Protanomaly

36.7460, 3.5310, -3.4210

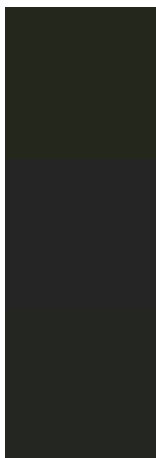
## Deuteranomaly

37.2840, 4.9520, -1.6400

## Tritanomaly

37.1740, -0.5500, -1.0460

# Monochromacy



## Original Color

36.5500, 1.1470, -4.2690

## Achromatopsia

37.0000, -0.0000, 0.0000

## Achromatomaly

36.9460, 0.0920, -1.6680

# CSS Examples

## Text

The CSS property to change the color of the text to YIQ 36.5500, 1.1470, -4.2690 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(35, 39, 28)` looks like.

```
.text, #text, p{  
    color:rgb(35, 39, 28)  
}
```

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(35, 39, 28) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(35, 39, 28) }
```

## Border

The CSS property to change the border of an element to YIQ 36.5500, 1.1470, -4.2690 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(35, 39, 28) }
```



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

```
.border{ border-color:rgb(35, 39, 28) }
```

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

Here you see how a box with a 4 pixel rgb(35, 39, 28) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(35, 39, 28); -webkit-box-  
shadow:4px 4px 4px 4px rgb(35, 39, 28);  
box-shadow:4px 4px 4px 4px rgb(35, 39, 28)  
}
```

# Background

The CSS property to change the background color of an element to YIQ 36.5500, 1.1470, -4.2690 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(35, 39, 28) }
```

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

```
.background{ background-color: rgb(35, 39,  
28) }
```

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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