

Converting Colors

YIQ(36.7230, 2.3380, 1.6820)

Have a look what the booklet for
YIQ(36.7230, 2.3380, 1.6820)
contains.

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Color

YIQ(36.7230, 2.3380, 1.6820)

Conversions

Conversions Part 1

Format	Color
Hex	282325
RGB	40, 35, 37
RGB Percent	16%, 14%, 15%
CMY	0.8431, 0.8627, 0.8549
CMYK	0.00, 0.13, 0.08, 0.84
HSL	336°, 7%, 15%
HSV	336°, 13%, 16%
XYZ	1.8101, 1.7867, 1.9999
YIQ	36.7230, 2.3380, 1.6820

Conversions

Conversions Part 2

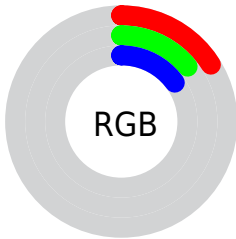
Format	Color
RYB	40, 35, 37
Decimal	2630437
CIELab	14.33, 2.81, -0.48
CIELCh	14, 2.852, 350.239
Yxy	1.7867, 0.3234, 0.3192
Android (android.graphics.Color)	4280820517 (0xFF282325)
YUV	36.7230, 0.1366, 2.8739
Hunter-Lab	13.3668, 0.7807, 0.4860

Details

The YIQ color **36.7230, 2.3380, 1.6820** is a dark color, and the websafe version is hex **333333**. A complement of this color would be **38.2770, -2.3380, -1.6820**, and the grayscale version is **37.0000, -0.0000, 0.0000**.

A 20% lighter version of the original color is **81.1360, 2.6130, 2.2050**, and **0.0000, 0.0000, 0.0000** is the 20% darker color. If you saturate the color by 10%, you get **34.1470, 4.0800, 3.1520**, and if you desaturate by 10%, it is **39.2990, 0.5960, 0.2120**.

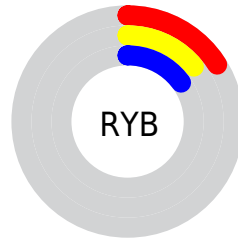
Distribution



Red (16%)

Green (14%)

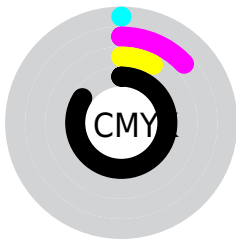
Blue (15%)



Red (16%)

Yellow (14%)

Blue (15%)

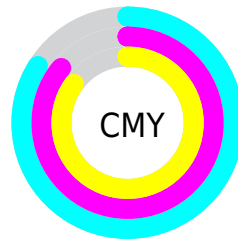


Cyan (0%)

Magenta (13%)

Yellow (8%)

Black (84%)



Cyan (84%)

Magenta (86%)

Yellow (85%)

Brightness & Saturation Gradients

These gradients show how the YIQ color 36.7230, 2.3380, 1.6820 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 36.7230, 2.3380, 1.6820 by changing the saturation by 10% instead.

■ 36.7230, 2.3380,
1.6820

■ 36.7230, 2.3380,
1.6820

■ 255.0000, -0.0000,
-0.0000

■ 15.4350, 3.2090,
2.4170

■ 81.1360, 2.6130,
2.2050

■ 0.0000, 0.0000,
0.0000

■ 105.1360, 2.6130,
2.2050

■ 130.4350, 3.2090,
2.4170

■ 156.4350, 3.2090,
2.4170

■ 183.4350, 3.2090,
2.4170

■ 211.0220, 2.9340,

1.8940

239.4350, 3.2090,
2.4170

36.7230, 2.3380,
1.6820

36.7230, 2.3380,
1.6820

34.1470, 4.0800,
3.1520

39.2990, 0.5960,
0.2120

31.4570, 6.1430,
4.3110

41.9890, -1.4670,
-0.9470

28.8810, 7.8850,
5.7810

44.5650, -3.2090,
-2.4170

26.1910, 9.9480,
6.9400

47.2550, -5.2720,
-3.5760

23.6150, 11.6900,
8.4100

49.8310, -7.0140,
-5.0460

■ 21.0390, 13.4320,
9.8800

■ 52.4070, -8.7560,
-6.5160

■ 18.3490, 15.4950,
11.0390

■ 55.0970, -10.8190,
-7.6750

■ 15.7730, 17.2370,
12.5090

■ 57.6730, -12.5610,
-9.1450

■ 13.7840, 18.7040,
13.4560

■ 60.3630, -14.6240,
-10.3040

Harmonies

Analogous

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



36.3530, 0.5040, 1.8800



36.7230, 2.3380, 1.6820



36.7940, 3.5760, 1.2720

Triad

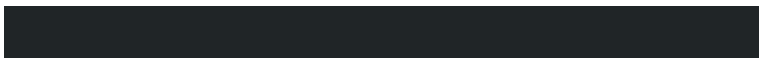
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



36.7230, 2.3380, 1.6820



36.2450, 0.6880, -1.4560



35.7330, -3.6220, -0.4380

Complementary

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



36.7230, 2.3380, 1.6820



38.2770, -2.3380, -1.6820

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.



35.3200, -3.8970, -0.9610



36.7230, 2.3380, 1.6820



35.7610, -0.8250, -1.5690

Square

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



36.7230, 2.3380, 1.6820



36.4410, 3.0720, -0.6080



35.3910, -2.6590, -1.3710



36.4450, -2.7510, 0.2970

Rectangle

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



36.7230, 2.3380, 1.6820



36.3810, 3.3010, 0.7490



35.3910, -2.6590, -1.3710



35.7330, -3.6220, -0.4380

Sweetspot

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



36.7230, 2.3380, 1.6820



49.7120, 0.8710, 0.7350



36.4670, 0.1830, 2.1910



24.7120, 0.8710, 0.7350



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.



36.7230, 2.3380, 1.6820



45.7340, 3.8050, 2.6290



36.4950, 2.9800, 1.0600



18.7120, 0.8710, 0.7350



28.9920, 39.1500, 28.3820



73.0780, 99.0670, 71.3790

Inverse Universe

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



36.7230, 2.3380, 1.6820



45.7340, 3.8050, 2.6290



38.5050, -2.9800, -1.0600



18.7120, 0.8710, 0.7350



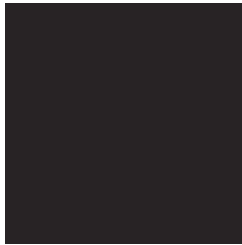
28.9920, 39.1500, 28.3820



73.0780, 99.0670, 71.3790

Previews

White Background



This preview shows how the YIQ color 36.7230, 2.3380, 1.6820 looks on a white background.

Color Contrast Check

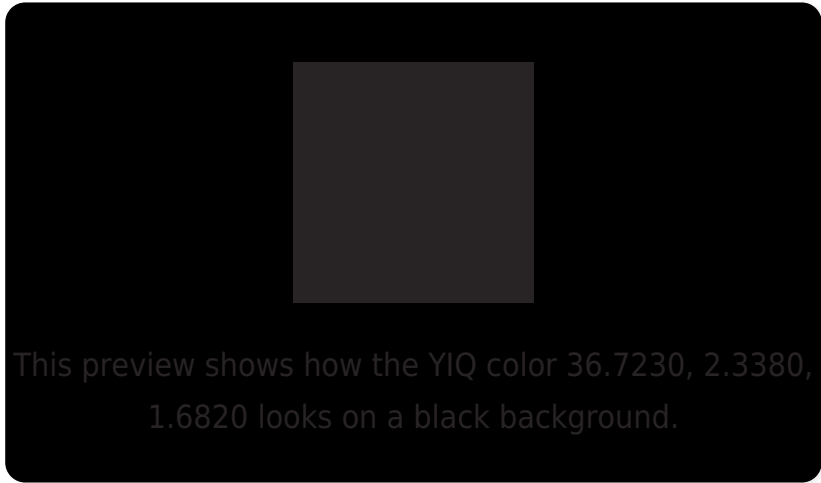
Large Text (above 18pt) WCAG AA ✓ Pass

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

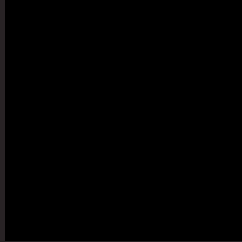
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

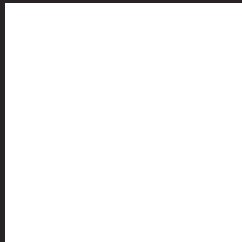
If you want to check with other color combinations, try the [Color Contrast Checker](#).

YIQ 36.7230, 2.3380, 1.6820

Background



This preview shows how black text looks on a background with the YIQ color 36.7230, 2.3380, 1.6820.

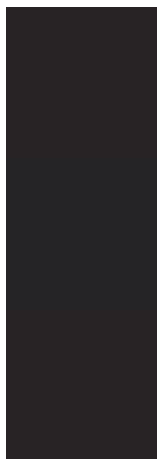


This preview shows how white text looks on a background with the YIQ color 36.7230, 2.3380, 1.6820.

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

36.7230, 2.3380, 1.6820

Protanopia

36.5270, -0.0460, 0.8340

Deuteranopia

36.7230, 2.3380, 1.6820



Tritanopia

36.8370, 2.0170, 1.9930

Trichromacy



Original Color

36.7230, 2.3380, 1.6820

Protanomaly

36.8260, 0.5500, 1.0460

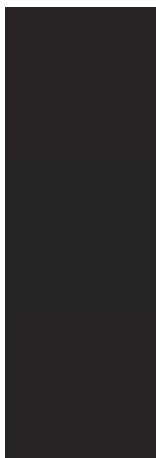
Deuteranomaly

36.7230, 2.3380, 1.6820

Tritanomaly

36.8370, 2.0170, 1.9930

Monochromacy



Original Color

36.7230, 2.3380, 1.6820

Achromatopsia

37.0000, -0.0000, 0.0000

Achromatomaly

36.7120, 0.8710, 0.7350

CSS Examples

Text

The CSS property to change the color of the text to YIQ 36.7230, 2.3380, 1.6820 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(40, 35, 37)` looks like.

```
.text, #text, p{  
    color:rgb(40, 35, 37)  
}
```

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(40, 35, 37) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(40, 35, 37) }
```

Border

The CSS property to change the border of an element to YIQ 36.7230, 2.3380, 1.6820 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(40, 35, 37) }
```

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

```
.border{ border-color:rgb(40, 35, 37) }
```

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

Here you see how a box with a 4 pixel `rgb(40, 35, 37)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(40, 35, 37); -webkit-box-  
shadow:4px 4px 4px 4px rgb(40, 35, 37);  
box-shadow:4px 4px 4px 4px rgb(40, 35, 37)  
}
```


Background

The CSS property to change the background color of an element to YIQ 36.7230, 2.3380, 1.6820 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(40, 35, 37) }
```

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

```
.background{ background-color: rgb(40, 35,  
37) }
```

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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