

Converting Colors

YIQ(36.9170, -0.9640, 6.4600)

Have a look what the booklet for
YIQ(36.9170, -0.9640, 6.4600)
contains.

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Color

**YIQ(36.9170, -0.9640,
6.4600)**

Conversions

Conversions Part 1

Format	Color
Hex	282131
RGB	40, 33, 49
RGB Percent	16%, 13%, 19%
CMY	0.8431, 0.8706, 0.8079
CMYK	0.18, 0.33, 0.00, 0.81
HSL	266°, 20%, 16%
HSV	266°, 33%, 19%
XYZ	1.9734, 1.7605, 3.1411
YIQ	36.9170, -0.9640, 6.4600

Conversions

Conversions Part 2

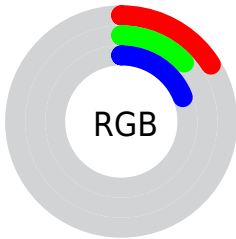
Format	Color
R_{YB}	40, 33, 49
Decimal	2629937
CIE Lab	14.18, 7.35, -9.31
CIE LCh	14, 11.863, 308.297
Yxy	1.7605, 0.2870, 0.2561
Android (android.graphics.Color)	4280820017 (0xFF282131)
YUV	36.9170, 5.9569, 2.7038
Hunter-Lab	13.2685, 3.3283, -4.7480

Details

The YIQ color **36.9170, -0.9640, 6.4600** is a dark color, and the websafe version is hex **333333**. A complement of this color would be **45.0830, 0.9640, -6.4600**, and the grayscale version is **37.0000, -0.0000, 0.0000**.

A 20% lighter version of the original color is **81.4440, -1.0100, 7.2940**, and **0.0000, 0.0000, 0.0000** is the 20% darker color. If you saturate the color by 10%, you get **33.0850, -1.3770, 8.4390**, and if you desaturate by 10%, it is **40.7490, -0.5510, 4.4810**.

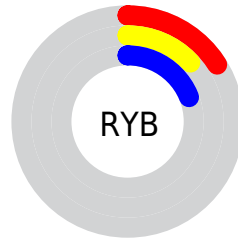
Distribution



Red (16%)

Green (13%)

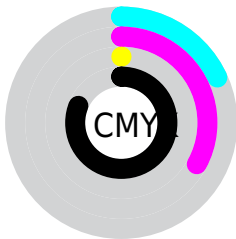
Blue (19%)



Red (16%)

Yellow (13%)

Blue (19%)

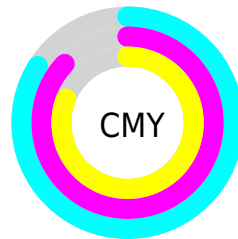


Cyan (18%)

Magenta (33%)

Yellow (0%)

Black (81%)



Cyan (84%)

Magenta (87%)

Yellow (81%)

Brightness & Saturation Gradients

These gradients show how the YIQ color 36.9170, -0.9640, 6.4600 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 36.9170, -0.9640, 6.4600 by changing the saturation by 10% instead.

■ 36.9170, -0.9640,
6.4600

■ 36.9170, -0.9640,
6.4600

■ 255.0000, -0.0000,
-0.0000

■ 15.0420, 0.1820,
7.7180

■ 81.4440, -1.0100,
7.2940

■ 0.0000, 0.0000,
0.0000

■ 105.8570, -0.7350,
7.8170

■ 130.9710, -1.0560,
8.1280

■ 156.9710, -1.0560,
8.1280

■ 183.9710, -1.0560,
8.1280

■ 211.4980, -1.1020,

8.9620

239.6830, -0.1850,
8.8630

36.9170, -0.9640,
6.4600

36.9170, -0.9640,
6.4600

33.0850, -1.3770,
8.4390

40.7490, -0.5510,
4.4810

29.5520, -1.1940,
10.6300

44.5810, -0.1380,
2.5020

25.7200, -1.6070,
12.6090

48.1140, -0.3210,
0.3110

21.8880, -2.0200,
14.5880

51.9460, 0.0920,
-1.6680

18.6430, -2.7080,
16.0440

55.1910, 0.7800,
-3.1240

■ 14.8110, -3.1210,
18.0230

■ 59.0230, 1.1930,
-5.1030

■ 11.8650, -3.2130,
19.6910

■ 62.5560, 1.0100,
-7.2940

■ 66.3880, 1.4230,
-9.2730

■ 70.2200, 1.8360,
-11.2520

Harmonies

Analogous

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



35.4320, -9.9040, 3.2800



36.9170, -0.9640, 6.4600



37.3370, 6.6010, 7.0250

Triad

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



36.9170, -0.9640, 6.4600



35.8180, 12.1960, -0.7640



31.1010, -16.6420, -6.7700

Complementary

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



36.9170, -0.9640, 6.4600



45.0830, 0.9640, -6.4600

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.



32.8800, -8.7100, -7.3500



36.9170, -0.9640, 6.4600



34.9590, 7.2450, -4.6510

Square

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



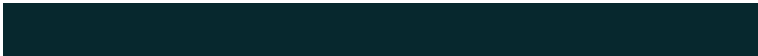
36.9170, -0.9640, 6.4600



36.4100, 13.5250, 2.6850



34.4850, -0.2280, -6.8840



30.8170, -21.5940, -5.1300

Rectangle

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



36.9170, -0.9640, 6.4600



37.0770, 10.2690, 6.6290



34.4850, -0.2280, -6.8840



31.6560, -13.8910, -7.0670

Sweetspot

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



36.9170, -0.9640, 6.4600



58.6950, -0.4590, 2.8130



40.1070, -7.6110, 0.2690



30.0540, -0.0920, 1.6680



161.0000, -0.0000, -0.0000



33.0000, -0.0000, -0.0000

Same Dimension

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



36.9170, -0.9640, 6.4600



45.1390, -1.4690, 10.1070



39.3090, 3.8040, 8.1560



23.6410, -0.3670, 1.1450



21.8070, -5.3250, 35.9470



53.1430, -13.0370, 87.6270

Inverse Universe

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



38.8100, 6.6470, 6.1910



48.0710, 10.4060, 9.6540



42.6910, -3.8040, -8.1560



24.0110, 1.4670, 0.9470



32.3110, 36.9940, 34.4180



78.7910, 90.1700, 83.9460

Previews

White Background



This preview shows how the YIQ color 36.9170, -0.9640, 6.4600 looks on a white background.

Color Contrast Check

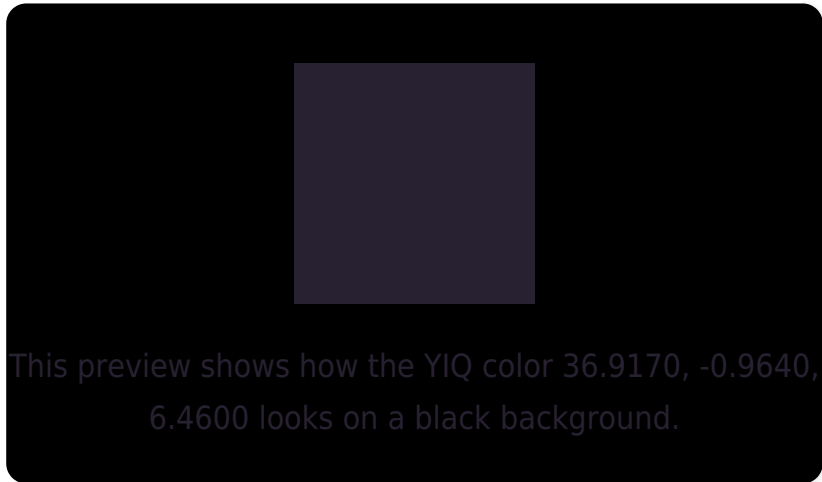
Large Text (above 18pt) WCAG AA ✓ Pass

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

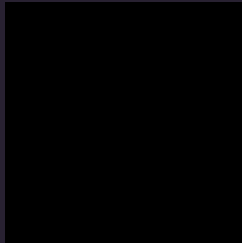
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

YIQ 36.9170, -0.9640, 6.4600

Background



This preview shows how black text looks on a background with the YIQ color 36.9170, -0.9640, 6.4600.



This preview shows how white text looks on a background with the YIQ color 36.9170, -0.9640,

6.4600.

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

36.9170, -0.9640, 6.4600

Protanopia

36.2150, -7.7950, 3.6050

Deuteranopia

36.4710, -5.6400, 3.0960



Tritanopia

36.2390, 0.8250, 1.5690

Trichromacy



Original Color

36.9170, -0.9640, 6.4600

Protanomaly

36.4110, -5.4110, 4.4530

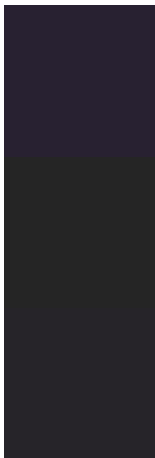
Deuteranomaly

36.7810, -3.5770, 4.2550

Tritanomaly

36.4070, 0.4120, 3.5480

Monochromacy



Original Color

36.9170, -0.9640, 6.4600

Achromatopsia

37.0000, -0.0000, 0.0000

Achromatomaly

37.1680, -0.4130, 1.9790

CSS Examples

Text

The CSS property to change the color of the text to YIQ 36.9170, -0.9640, 6.4600 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, 33, 49)` looks like.

```
.text, #text, p{  
    color:rgb(40, 33, 49)  
}
```

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, 33, 49) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(40, 33, 49) }
```

Border

The CSS property to change the border of an element to YIQ 36.9170, -0.9640, 6.4600 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, 33, 49) }
```


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

```
.border{ border-color:rgb(40, 33, 49) }
```

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

Here you see how a box with a 4 pixel rgb(40, 33, 49) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(40, 33, 49); -webkit-box-  
shadow:4px 4px 4px 4px rgb(40, 33, 49);  
box-shadow:4px 4px 4px 4px rgb(40, 33, 49)  
}
```

Background

The CSS property to change the background color of an element to YIQ 36.9170, -0.9640, 6.4600 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(40, 33, 49) }
```

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

```
.background{ background-color: rgb(40, 33,  
49) }
```

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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