

Converting Colors

YIQ(33.7910, 7.6580, -6.6300)

Have a look what the booklet for
YIQ(33.7910, 7.6580, -6.6300)
contains.

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Color

**YIQ(33.7910, 7.6580,
-6.6300)**

Conversions

Conversions Part 1

Format	Color
Hex	25240E
RGB	37, 36, 14
RGB Percent	15%, 14%, 5%
CMY	0.8549, 0.8588, 0.9450
CMYK	0.00, 0.03, 0.62, 0.85
HSL	57°, 45%, 10%
HSV	57°, 62%, 15%
XYZ	1.4731, 1.6867, 0.6638
YIQ	33.7910, 7.6580, -6.6300

Conversions

Conversions Part 2

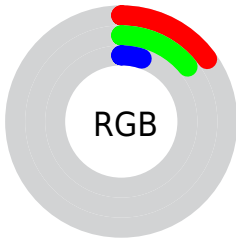
Format	Color
R_{YB}	15, 37, 14
Decimal	2434062
CIE _{Lab}	13.75, -3.57, 14.21
CIE _{LCh}	14, 14.651, 104.094
Yxy	1.6867, 0.3853, 0.4411
Android (android.graphics.Color)	4280624142 (0xFF25240E)
YUV	33.7910, -9.7570, 2.8143
Hunter-Lab	12.9874, -2.4821, 6.0607

Details

The YIQ color **33.7910, 7.6580, -6.6300** is a dark color, and the websafe version is hex **333300**. A complement of this color would be **17.2090, -7.6580, 6.6300**, and the grayscale version is **34.0000, -0.0000, 0.0000**.

A 20% lighter version of the original color is **77.9760, 8.5750, -6.7290**, and **0.0000, 0.0000, 0.0000** is the 20% darker color. If you saturate the color by 10%, you get **33.3350, 8.9420, -7.8740**, and if you desaturate by 10%, it is **34.2470, 6.3740, -5.3860**.

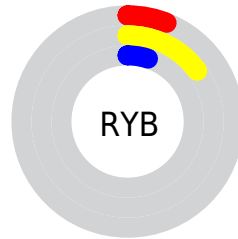
Distribution



Red (15%)

Green (14%)

Blue (5%)



Red (6%)

Yellow (15%)

Blue (5%)

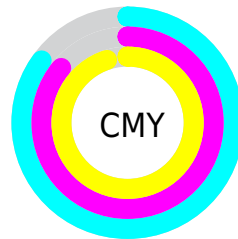


Cyan (0%)

Magenta (3%)

Yellow (62%)

Black (85%)



Cyan (85%)

Magenta (86%)

Yellow (95%)

Brightness & Saturation Gradients

These gradients show how the YIQ color 33.7910, 7.6580, -6.6300 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 33.7910, 7.6580, -6.6300 by changing the saturation by 10% instead.

■ 33.7910, 7.6580,
-6.6300

■ 33.7910, 7.6580,
-6.6300

■ 253.0620, 5.4570,
-5.2870

■ 12.3930, 3.0270,
-5.3010

■ 77.9760, 8.5750,
-6.7290

■ 0.0000, 0.0000,
0.0000

■ 102.1610, 9.4920,
-6.8280

■ 127.0470, 9.8130,
-7.1390

■ 152.9330, 10.1340,
-7.4500

■ 179.8190, 10.4550,
-7.7610

■ 207.7050, 10.7760,

-8.0720

■ 236.0040, 11.3720,
-7.8600

■ 33.7910, 7.6580,
-6.6300

■ 33.7910, 7.6580,
-6.6300

■ 33.3350, 8.9420,
-7.8740

■ 34.2470, 6.3740,
-5.3860

■ 32.9930, 9.9050,
-8.8070

■ 34.5890, 5.4110,
-4.4530

■ 32.5370, 11.1890,
-10.0510

■ 35.0450, 4.1270,
-3.2090

■ 31.6080, 12.4270,
-10.4610

■ 36.0880, 2.5680,
-2.4880

■ 36.5440, 1.2840,
-1.2440

■ 36.8860, 0.3210,
-0.3110

■ 37.3420, -0.9630,
0.9330

■ 37.7980, -2.2470,
2.1770

■ 38.1400, -3.2100,
3.1100

Harmonies

Analogous

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



34.8350, 13.5260, -2.8420



33.7910, 7.6580, -6.6300



32.6480, -2.2450, -8.8770

Triad

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



33.7910, 7.6580, -6.6300



29.0660, -26.7290, -5.6810



36.3590, 9.5350, 8.9190

Complementary

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



33.7910, 7.6580, -6.6300



17.2090, -7.6580, 6.6300

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.



36.4550, 0.4570, 8.2410



33.7910, 7.6580, -6.6300



30.9680, -23.3370, -1.0730

Square

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



33.7910, 7.6580, -6.6300



28.0400, -23.8400, -8.4800



34.6000, -10.3170, 5.2590



35.8280, 15.4040, 7.1800

Rectangle

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



33.7910, 7.6580, -6.6300



31.5270, -9.2140, -9.2300



34.6000, -10.3170, 5.2590



36.1030, 7.3800, 9.4280

Sweetspot

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



33.7910, 7.6580, -6.6300



46.9740, 2.8890, -2.7990



20.9910, 13.3870, 5.1870



24.7290, 2.2010, -1.3430



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.



33.7910, 7.6580, -6.6300



43.3090, 11.8310, -10.6730



31.3880, 1.4230, -9.2730



17.7720, 0.6420, -0.6220



70.3040, 27.4220, -23.4100



179.8910, 69.5640, -60.2920

Inverse Universe

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



17.2090, -7.6580, 6.6300



17.2780, -12.1060, 10.1500



19.6120, -1.4230, 9.2730



16.2280, -0.6420, 0.6220



11.6960, -27.4220, 23.4100



29.1090, -69.5640, 60.2920

Previews

White Background



This preview shows how the YIQ color 33.7910, 7.6580, -6.6300 looks on a white background.

Color Contrast Check

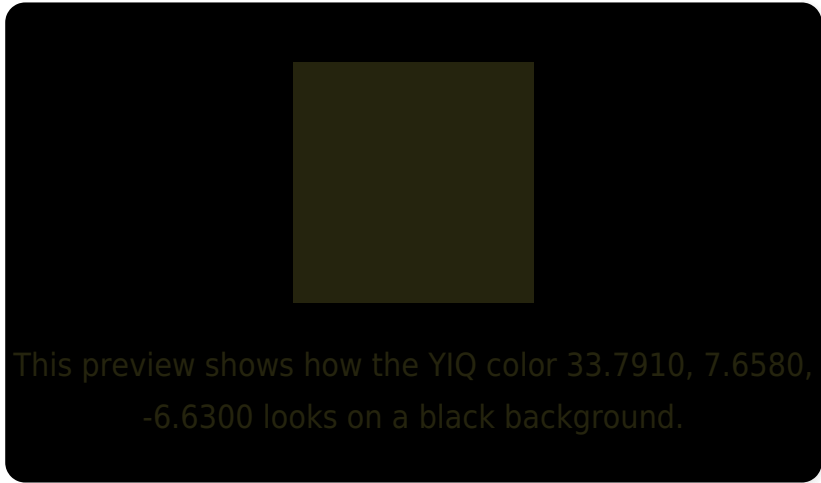
Large Text (above 18pt) WCAG AA ✓ Pass

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

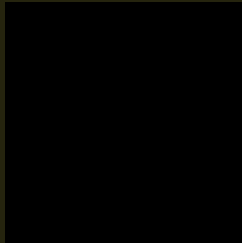
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

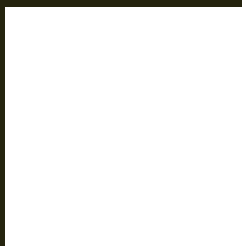
If you want to check with other color combinations, try the [Color Contrast Checker](#).

YIQ 33.7910, 7.6580, -6.6300

Background



This preview shows how black text looks on a background with the YIQ color 33.7910, 7.6580, -6.6300.



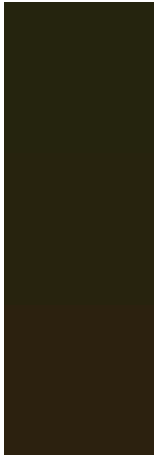
This preview shows how white text looks on a background with the YIQ color 33.7910, 7.6580,

-6.6300.

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

33.7910, 7.6580, -6.6300

Protanopia

33.8020, 9.1250, -5.6830

Deuteranopia

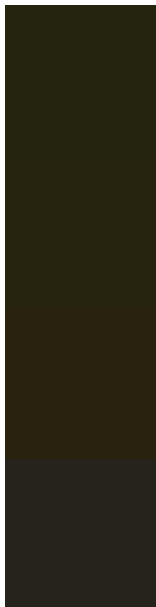
34.2370, 12.3340, -3.2660



Tritanopia

35.7230, 2.3380, 1.6820

Trichromacy



Original Color

33.7910, 7.6580, -6.6300

Protanomaly

33.5030, 8.5290, -5.8950

Deuteranomaly

33.9270, 10.2710, -4.4250

Tritanomaly

35.0990, 4.0350, -1.5410

Monochromacy



Original Color

33.7910, 7.6580, -6.6300

Achromatopsia

34.0000, -0.0000, 0.0000

Achromatomaly

34.0880, 2.5680, -2.4880

CSS Examples

Text

The CSS property to change the color of the text to YIQ 33.7910, 7.6580, -6.6300 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(37, 36, 14)` looks like.

```
.text, #text, p{  
    color:rgb(37, 36, 14)  
}
```

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(37, 36, 14) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(37, 36, 14) }
```

Border

The CSS property to change the border of an element to YIQ 33.7910, 7.6580, -6.6300 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(37, 36, 14) }
```


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

```
.border{ border-color:rgb(37, 36, 14) }
```

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

Here you see how a box with a 4 pixel rgb(37, 36, 14) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(37, 36, 14); -webkit-box-  
shadow:4px 4px 4px 4px rgb(37, 36, 14);  
box-shadow:4px 4px 4px 4px rgb(37, 36, 14)  
}
```

Background

The CSS property to change the background color of an element to YIQ 33.7910, 7.6580, -6.6300 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(37, 36, 14) }
```

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

```
.background{ background-color: rgb(37, 36,  
14) }
```

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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