

Converting Colors

YIQ(13.7730, 8.0690, 2.4450)

Have a look what the booklet for
YIQ(13.7730, 8.0690, 2.4450)
contains.

YIQ(13.7730, 8.0690, 2.4450)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

YIQ(13.7730, 8.0690, 2.4450)

Conversions

Conversions Part 1

Format	Color
Hex	170A09
RGB	23, 10, 9
RGB Percent	9%, 4%, 4%
CMY	0.9098, 0.9608, 0.9647
CMYK	0.00, 0.57, 0.61, 0.91
HSL	4°, 44%, 6%
HSV	4°, 61%, 9%
XYZ	0.5114, 0.4190, 0.3126
YIQ	13.7730, 8.0690, 2.4450

Conversions

Conversions Part 2

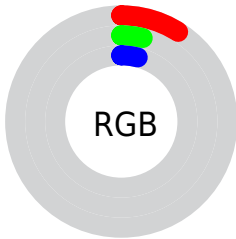
Format	Color
RYB	23, 10, 9
Decimal	1509897
CIELab	3.78, 4.64, 2.05
CIElCh	4, 5.070, 23.894
Yxy	0.4190, 0.4114, 0.3371
Android (android.graphics.Color)	4279699977 (0xFF170A09)
YUV	13.7730, -2.3531, 8.0921
Hunter-Lab	6.4727, 2.7749, 1.6675

Details

The YIQ color **13.7730, 8.0690, 2.4450** is a dark color, and the websafe version is hex **000000**. A complement of this color would be **18.2270, -8.0690, -2.4450**, and the grayscale version is **14.0000, -0.0000, 0.0000**.

A 20% lighter version of the original color is **57.2890, 6.5560, 2.3320**, and **0.0000, 0.0000, 0.0000** is the 20% darker color. If you saturate the color by 10%, you get **12.3710, 9.2610, 2.8690**, and if you desaturate by 10%, it is **15.1750, 6.8770, 2.0210**.

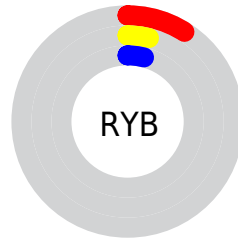
Distribution



Red (9%)

Green (4%)

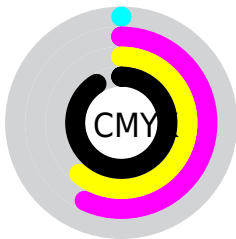
Blue (4%)



Red (9%)

Yellow (4%)

Blue (4%)

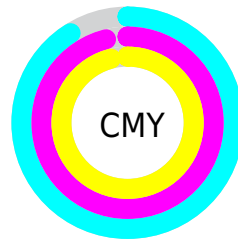


Cyan (0%)

Magenta (57%)

Yellow (61%)

Black (91%)



Cyan (91%)

Magenta (96%)

Yellow (96%)

Brightness & Saturation Gradients

These gradients show how the YIQ color 13.7730, 8.0690, 2.4450 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 13.7730, 8.0690, 2.4450 by changing the saturation by 10% instead.

■ 13.7730, 8.0690,
2.4450

■ 13.7730, 8.0690,
2.4450

■ 238.0720, 8.6650,
2.6570

■ 0.0000, 0.0000,
0.0000

■ 57.2890, 6.5560,
2.3320

■ 80.1750, 6.8770,
2.0210

■ 104.4740, 7.4730,
2.2330

■ 129.4740, 7.4730,
2.2330

■ 155.7730, 8.0690,
2.4450

■ 182.1860, 8.3440,

2.9680

■ 210.0720, 8.6650,
2.6570

■ 13.7730, 8.0690,
2.4450

■ 13.7730, 8.0690,
2.4450

■ 12.3710, 9.2610,
2.8690

■ 15.1750, 6.8770,
2.0210

■ 10.8550, 10.7740,
2.9820

■ 16.6910, 5.3640,
1.9080

■ 9.4530, 11.9660,
3.4060

■ 18.0930, 4.1720,
1.4840

■ 8.0510, 13.1580,
3.8300

■ 20.0820, 2.7050,
0.5370

■ 21.5980, 1.1920,
0.4240

■ 23.0000, 0.0000,
-0.0000

■ 24.4020, -1.1920,
-0.4240

■ 25.8040, -2.3840,
-0.8480

■ 27.3200, -3.8970,
-0.9610

Harmonies

Analogous

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



14.1580, 5.5470, 4.0990



13.7730, 8.0690, 2.4450



13.4910, 8.8030, 0.1550

Triad

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



13.7730, 8.0690, 2.4450



12.1690, -2.1540, -5.0180



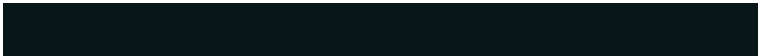
12.8190, -6.7400, 1.0040

Complementary

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



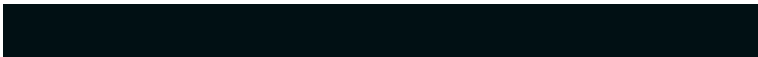
13.7730, 8.0690, 2.4450



18.2270, -8.0690, -2.4450

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.



11.9710, -10.2240, -1.9360



13.7730, 8.0690, 2.4450



11.0590, -7.6560, -4.4240

Square

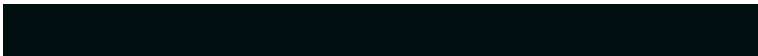
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



13.7730, 8.0690, 2.4450



12.3330, 3.2560, -3.9440



11.3300, -9.8570, -3.0810



13.3250, -2.2930, 3.0110

Rectangle

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



13.7730, 8.0690, 2.4450



13.2520, 7.9780, -1.4140



11.3300, -9.8570, -3.0810



12.8080, -8.2070, 0.0570

Sweetspot

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



13.7730, 8.0690, 2.4450



26.7940, 3.5760, 1.2720



14.6680, 4.1710, 7.0110



12.8970, 1.7880, 0.6360



143.0000, -0.0000, 0.0000



15.0000, -0.0000, -0.0000

Same Dimension

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



13.7730, 8.0690, 2.4450



16.0510, 13.1580, 3.8300



17.8820, 6.1440, -1.2160



12.1850, 0.9170, -0.0990



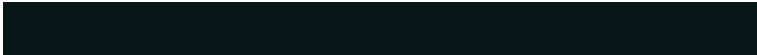
25.9580, 44.5170, 13.7090



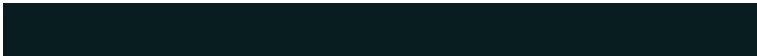
69.2140, 117.7340, 35.9260

Inverse Universe

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



18.2270, -8.0690, -2.4450



22.9490, -13.1580, -3.8300



14.1180, -6.1440, 1.2160



12.4020, -1.1920, -0.4240



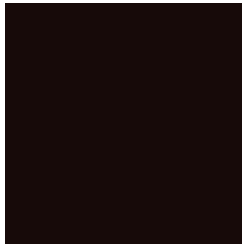
50.4550, -44.2420, -13.1860



134.7860, -117.7340, -35.9260

Previews

White Background



This preview shows how the YIQ color 13.7730, 8.0690, 2.4450 looks on a white background.

Color Contrast Check

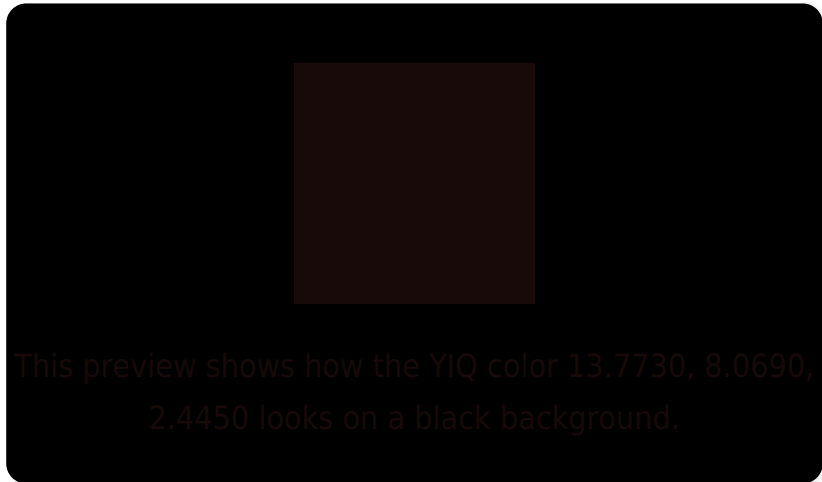
Large Text (above 18pt) WCAG AA ✓ Pass

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

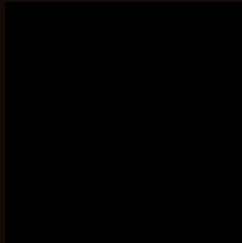
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

YIQ 13.7730, 8.0690, 2.4450

Background



This preview shows how black text looks on a background with the YIQ color 13.7730, 8.0690, 2.4450.

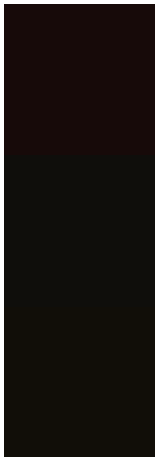


This preview shows how white text looks on a background with the YIQ color 13.7730, 8.0690, 2.4450.

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

13.7730, 8.0690, 2.4450

Protanopia

13.9570, 1.5590, -0.7210

Deuteranopia

14.2130, 3.7140, -1.2300



Tritanopia

13.8870, 7.7480, 2.7560

Trichromacy



Original Color

13.7730, 8.0690, 2.4450

Protanomaly

14.1530, 3.9430, 0.1270

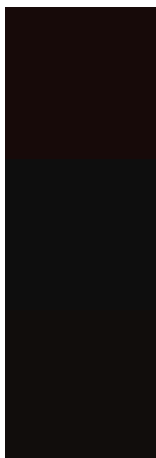
Deuteranomaly

14.2240, 5.1810, -0.2830

Tritanomaly

13.8870, 7.7480, 2.7560

Monochromacy



Original Color

13.7730, 8.0690, 2.4450

Achromatopsia

14.0000, -0.0000, 0.0000

Achromatomaly

14.0820, 2.7050, 0.5370

CSS Examples

Text

The CSS property to change the color of the text to YIQ 13.7730, 8.0690, 2.4450 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(23, 10, 9)` looks like.

```
.text, #text, p{  
    color:rgb(23, 10, 9)  
}
```

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(23, 10, 9) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(23, 10, 9) }
```

Border

The CSS property to change the border of an element to YIQ 13.7730, 8.0690, 2.4450 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(23, 10, 9) }
```

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

```
.border{ border-color:rgb(23, 10, 9) }
```

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

Here you see how a box with a 4 pixel `rgb(23, 10, 9)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(23, 10, 9); -webkit-box-shadow:4px  
4px 4px 4px rgb(23, 10, 9); box-shadow:4px  
4px 4px 4px rgb(23, 10, 9) }
```


Background

The CSS property to change the background color of an element to YIQ 13.7730, 8.0690, 2.4450 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(23, 10, 9) }
```

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

```
.background{ background-color: rgb(23, 10,  
9) }
```

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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