

Converting Colors

YIQ(16.9410, 7.6560, 4.4240)

Have a look what the booklet for
YIQ(16.9410, 7.6560, 4.4240)
contains.

YIQ(16.9410, 7.6560, 4.4240)	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(16.9410, 7.6560, 4.4240)

Conversions

Conversions Part 1

Format	Color
Hex	1B0C10
RGB	27, 12, 16
RGB Percent	11%, 5%, 6%
CMY	0.8941, 0.9530, 0.9372
CMYK	0.00, 0.56, 0.41, 0.89
HSL	344°, 38%, 8%
HSV	344°, 56%, 11%
XYZ	0.6772, 0.5334, 0.5577
YIQ	16.9410, 7.6560, 4.4240

Conversions

Conversions Part 2

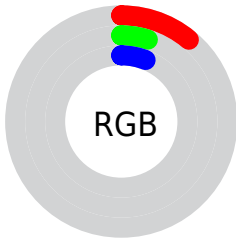
Format	Color
RYB	27, 12, 16
Decimal	1772560
CIELab	4.82, 6.98, 0.33
CIELCh	5, 6.983, 2.701
Yxy	0.5334, 0.3830, 0.3016
Android (android.graphics.Color)	4279962640 (0xFF1B0C10)
YUV	16.9410, -0.4639, 8.8217
Hunter-Lab	7.3032, 3.7717, 0.5843

Details

The YIQ color **16.9410, 7.6560, 4.4240** is a dark color, and the websafe version is hex **000000**. A complement of this color would be **22.0590, -7.6560, -4.4240**, and the grayscale version is **17.0000, -0.0000, 0.0000**.

A 20% lighter version of the original color is **59.9410, 7.6560, 4.4240**, and **0.0000, 0.0000, 0.0000** is the 20% darker color. If you saturate the color by 10%, you get **14.9520, 9.1230, 5.3710**, and if you desaturate by 10%, it is **18.9300, 6.1890, 3.4770**.

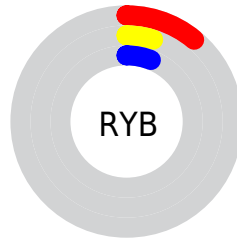
Distribution



Red (11%)

Green (5%)

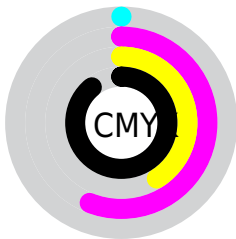
Blue (6%)



Red (11%)

Yellow (5%)

Blue (6%)

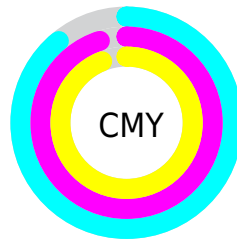


Cyan (0%)

Magenta (56%)

Yellow (41%)

Black (89%)



Cyan (89%)

Magenta (95%)

Yellow (94%)

Brightness & Saturation Gradients

These gradients show how the YIQ color 16.9410, 7.6560, 4.4240 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 16.9410, 7.6560, 4.4240 by changing the saturation by 10% instead.

■ 16.9410, 7.6560,
4.4240

■ 16.9410, 7.6560,
4.4240

■ 241.8380, 9.4440,
5.0600

■ 0.0000, 0.0000,
0.0000

■ 59.9410, 7.6560,
4.4240

■ 82.9410, 7.6560,
4.4240


■ 107.2400, 8.2520,
4.6360


■ 132.5390, 8.8480,
4.8480


■ 158.5390, 8.8480,
4.8480


■ 185.8380, 9.4440,


5.0600


 213.1370, 10.0400,
5.2720


 16.9410, 7.6560,
4.4240


 16.9410, 7.6560,
4.4240


 14.9520, 9.1230,
5.3710


 18.9300, 6.1890,
3.4770


 13.5500, 10.3150,
5.7950


 20.3320, 4.9970,
3.0530


 11.5610, 11.7820,
6.7420

 22.3210, 3.5300,
2.1060

 9.5720, 13.2490,
7.6890

 24.3100, 2.0630,
1.1590

 8.8710, 13.8450,
7.9010

 25.7120, 0.8710,
0.7350

■ 27.7010, -0.5960,
-0.2120

■ 29.6900, -2.0630,
-1.1590

■ 31.6790, -3.5300,
-2.1060

■ 33.0810, -4.7220,
-2.5300

Harmonies

Analogous

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



17.3150, 3.6670, 5.1310



16.9410, 7.6560, 4.4240



16.4420, 10.4990, 2.4590

Triad

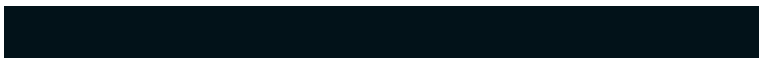
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



16.9410, 7.6560, 4.4240



15.0940, 2.4310, -5.5130



14.0140, -11.7830, -1.2150

Complementary

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



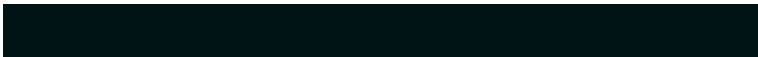
16.9410, 7.6560, 4.4240



22.0590, -7.6560, -4.4240

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.



14.2480, -12.5620, -3.6180



16.9410, 7.6560, 4.4240



13.6740, -5.1340, -6.0780

Square

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



16.9410, 7.6560, 4.4240



15.7850, 7.7950, -3.6050



13.6780, -10.9570, -5.1730



15.9330, -7.0610, 1.3150

Rectangle

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



16.9410, 7.6560, 4.4240



15.8610, 10.6370, -0.0430



13.6780, -10.9570, -5.1730



13.8890, -12.9290, -2.4730

Sweetspot

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



16.9410, 7.6560, 4.4240



31.9080, 3.2550, 1.5830



16.9990, 1.7410, 6.9970



15.3100, 2.0630, 1.1590



145.0000, 0.0000, -0.0000



18.0000, -0.0000, 0.0000

Same Dimension

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



16.9410, 7.6560, 4.4240



19.8600, 12.3780, 6.9540



18.2460, 8.1150, 1.6110



11.7120, 0.8710, 0.7350



25.3030, 39.4720, 22.5440



67.2660, 103.9290, 60.3530

Inverse Universe

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



16.9410, 7.6560, 4.4240



19.8600, 12.3780, 6.9540



20.7540, -8.1150, -1.6110



11.7120, 0.8710, 0.7350



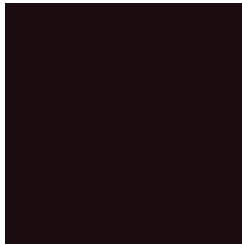
25.3030, 39.4720, 22.5440



67.2660, 103.9290, 60.3530

Previews

White Background



This preview shows how the YIQ color 16.9410, 7.6560, 4.4240 looks on a white background.

Color Contrast Check

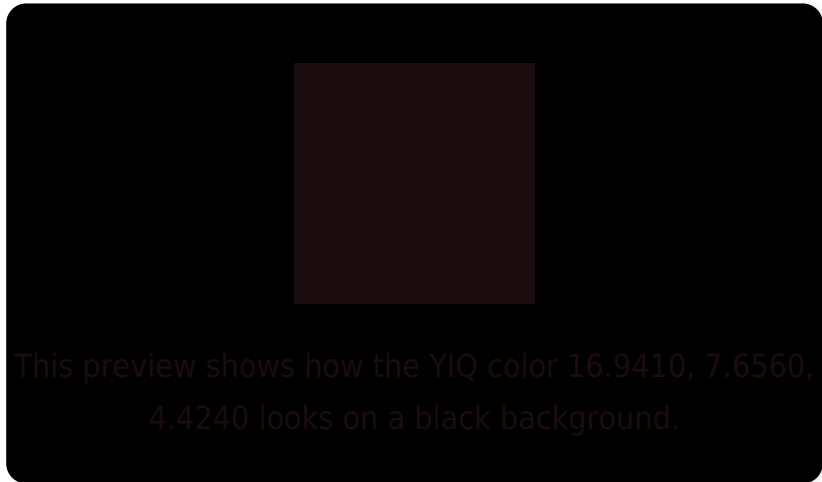
Large Text (above 18pt) WCAG AA ✓ Pass

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 16.9410, 7.6560, 4.4240

Background



This preview shows how black text looks on a background with the YIQ color 16.9410, 7.6560, 4.4240.

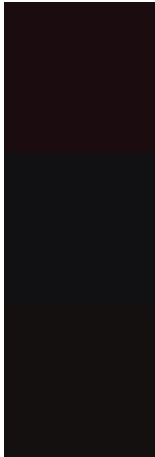


This preview shows how white text looks on a background with the YIQ color 16.9410, 7.6560, 4.4240.

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

16.9410, 7.6560, 4.4240

Protanopia

17.2280, -0.6420, 0.6220

Deuteranopia

16.7830, 2.1090, 0.3250



Tritanopia

16.5990, 8.6190, 3.4910

Trichromacy



Original Color

16.9410, 7.6560, 4.4240

Protanomaly

17.1360, 2.6130, 2.2050

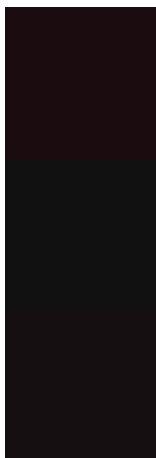
Deuteranomaly

17.0930, 4.1720, 1.4840

Tritanomaly

16.7130, 8.2980, 3.8020

Monochromacy



Original Color

16.9410, 7.6560, 4.4240

Achromatopsia

17.0000, -0.0000, 0.0000

Achromatomaly

17.0220, 2.9340, 1.8940

CSS Examples

Text

The CSS property to change the color of the text to YIQ 16.9410, 7.6560, 4.4240 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(27, 12, 16)` looks like.

```
.text, #text, p{  
    color:rgb(27, 12, 16)  
}
```

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(27, 12, 16) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(27, 12, 16) }
```

Border

The CSS property to change the border of an element to YIQ 16.9410, 7.6560, 4.4240 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(27, 12, 16) }
```

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

```
.border{ border-color:rgb(27, 12, 16) }
```

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

Here you see how a box with a 4 pixel `rgb(27, 12, 16)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(27, 12, 16); -webkit-box-  
shadow:4px 4px 4px 4px rgb(27, 12, 16);  
box-shadow:4px 4px 4px 4px rgb(27, 12, 16)  
}
```


Background

The CSS property to change the background color of an element to YIQ 16.9410, 7.6560, 4.4240 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(27, 12, 16) }
```

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

```
.background{ background-color: rgb(27, 12,  
16) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor