

Converting Colors

YIQ(45.9860, 11.7830, 1.2150)

Have a look what the booklet for
YIQ(45.9860, 11.7830, 1.2150)
contains.

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Color

**YIQ(45.9860, 11.7830,
1.2150)**

Conversions

Conversions Part 1	
Format	Color
Hex	3A2A23
RGB	58, 42, 35
RGB Percent	23%, 16%, 14%
CMY	0.7725, 0.8353, 0.8627
CMYK	0.00, 0.28, 0.40, 0.77
HSL	18°, 25%, 18%
HSV	18°, 40%, 23%
XYZ	2.8767, 2.6767, 1.9562
YIQ	45.9860, 11.7830, 1.2150

Conversions

Conversions Part 2

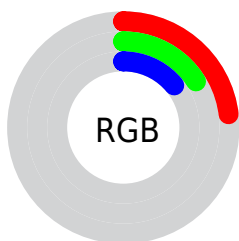
Format	Color
RYB	58, 45, 35
Decimal	3811875
CIELab	18.70, 6.25, 7.45
CIELCh	19, 9.723, 49.973
Yxy	2.6767, 0.3831, 0.3564
Android (android.graphics.Color)	4282001955 (0xFF3A2A23)
YUV	45.9860, -5.4161, 10.5363
Hunter-Lab	16.3606, 2.7552, 4.3633

Details

The YIQ color **45.9860, 11.7830, 1.2150** is a dark color, and the websafe version is hex **333333**. A complement of this color would be **47.0140, -11.7830, -1.2150**, and the grayscale version is **46.0000, 0.0000, -0.0000**.

A 20% lighter version of the original color is **91.7690, 13.8920, 1.5400**, and **0.5980, 1.1920, 0.4240** is the 20% darker color. If you saturate the color by 10%, you get **42.9540, 14.8090, 1.4410**, and if you desaturate by 10%, it is **49.0180, 8.7570, 0.9890**.

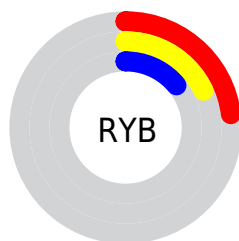
Distribution



Red (23%)

Green (16%)

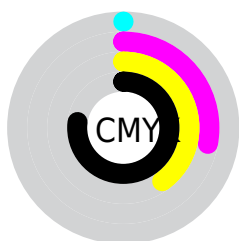
Blue (14%)



Red (23%)

Yellow (18%)

Blue (14%)

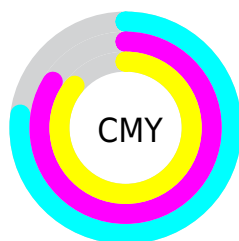


Cyan (0%)

Magenta (28%)

Yellow (40%)

Black (77%)



Cyan (77%)


Magenta (84%)


Yellow (86%)

Brightness & Saturation Gradients


These gradients show how the YIQ color 45.9860, 11.7830, 1.2150 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 45.9860, 11.7830, 1.2150 by changing the saturation by 10% instead.

 45.9860, 11.7830,
1.2150

 45.9860, 11.7830,
1.2150

255.0000, -0.0000,
-0.0000


 25.2740, 10.9120,
0.4800


 91.7690, 13.8920,
1.5400


 0.5980, 1.1920,
0.4240

 116.6550, 14.2130,
1.2290

 0.0000, 0.0000,
0.0000

 142.2530, 15.4050,
1.6530


 168.5520, 16.0010,
1.8650


 195.5520, 16.0010,
1.8650


 223.8510, 16.5970,


2.0770


 248.2520, 7.9780,
-1.4140

 45.9860, 11.7830,
1.2150


 45.9860, 11.7830,
1.2150


 42.9540, 14.8090,
1.4410


 49.0180, 8.7570,
0.9890


 39.9220, 17.8350,
1.6670


 52.0500, 5.7310,
0.7630


 37.0040, 20.5400,
2.2040

 54.9680, 3.0260,
0.2260

 33.9720, 23.5660,
2.4300

 58.0000, -0.0000,
0.0000

 30.9400, 26.5920,
2.6560

 61.0320, -3.0260,
-0.2260

■ 27.9080, 29.6180,
2.8820

■ 64.0640, -6.0520,
-0.4520

■ 67.0960, -9.0780,
-0.6780

■ 70.0140, -11.7830,
-1.2150

■ 73.0460, -14.8090,
-1.4410

Harmonies

Analogous

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



46.6810, 11.3240, 4.0280



45.9860, 11.7830, 1.2150



45.3230, 9.2160, -1.8240

Triad

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



45.9860, 11.7830, 1.2150



42.6350, -9.3980, -5.8940



45.9980, -5.6860, 3.9300

Complementary

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



45.9860, 11.7830, 1.2150



47.0140, -11.7830, -1.2150

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.



44.4810, -11.6000, 0.9760



45.9860, 11.7830, 1.2150



41.9380, -14.6250, -4.7770

Square

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



45.9860, 11.7830, 1.2150



43.6420, -2.1080, -5.8520



43.2200, -15.3590, -2.4870



46.4720, 1.7870, 6.1630

Rectangle

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



45.9860, 11.7830, 1.2150



45.0020, 5.6860, -3.9300



43.2200, -15.3590, -2.4870



45.1010, -7.4740, 3.2940

Sweetspot

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



45.9860, 11.7830, 1.2150



71.7510, 5.1350, 0.5510



43.7010, 8.5720, 9.8520



35.6690, 2.4300, 0.0140



166.0000, -0.0000, 0.0000



38.0000, -0.0000, -0.0000

Same Dimension

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



45.9860, 11.7830, 1.2150



57.5200, 19.0270, 2.0910



52.4430, 8.7580, -4.5380



26.4840, 1.5130, 0.1130



43.9440, 47.1320, 4.8600



104.8100, 112.0990, 11.3870

Inverse Universe

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



47.0140, -11.7830, -1.2150



58.8930, -18.7520, -1.5680



40.5570, -8.7580, 4.5380



26.5160, -1.5130, -0.1130



48.0560, -47.1320, -4.8600



114.7770, -112.3740, -11.9100

Previews

White Background



This preview shows how the YIQ color 45.9860, 11.7830, 1.2150 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



This preview shows how the YIQ color 45.9860, 11.7830, 1.2150 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

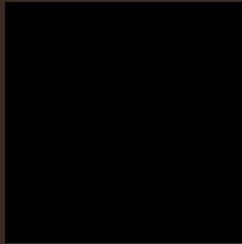
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

YIQ 45.9860, 11.7830, 1.2150

Background



This preview shows how black text looks on a background with the YIQ color 45.9860, 11.7830, 1.2150.

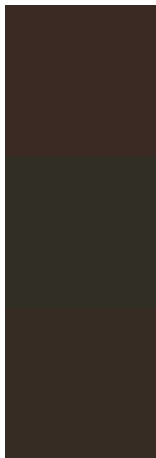


This preview shows how white text looks on a background with the YIQ color 45.9860, 11.7830,

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

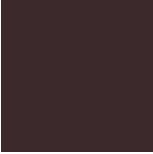
45.9860, 11.7830, 1.2150

Protanopia

45.8710, 4.6770, -2.1630

Deuteranopia

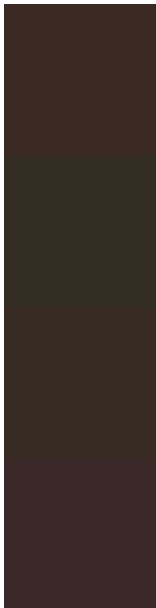
45.9640, 8.8490, -0.6790



Tritanopia

46.7240, 9.7650, 4.7490

Trichromacy



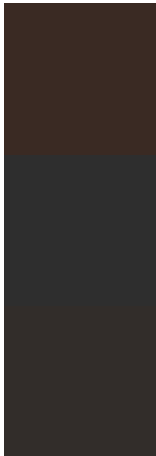
Original Color
45.9860, 11.7830, 1.2150

Protanomaly
46.0670, 7.0610, -1.3150

Deuteranomaly
45.6760, 9.7200, 0.0560

Tritanomaly
46.3820, 10.7280, 3.8160

Monochromacy



Original Color
45.9860, 11.7830, 1.2150

Achromatopsia
46.0000, 0.0000, -0.0000

Achromatomaly
46.1530, 3.9430, 0.1270

CSS Examples

Text

The CSS property to change the color of the text to YIQ 45.9860, 11.7830, 1.2150 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(58, 42, 35) looks like.

```
.text, #text, p{  
    color:rgb(58, 42, 35)  
}
```

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(58, 42, 35) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(58, 42, 35) }
```

Border

The CSS property to change the border of an element to YIQ 45.9860, 11.7830, 1.2150 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(58, 42, 35) }
```


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

```
.border{ border-color:rgb(58, 42, 35) }
```

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

Here you see how a box with a 4 pixel `rgb(58, 42, 35)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(58, 42, 35); -webkit-box-  
shadow:4px 4px 4px 4px rgb(58, 42, 35);  
box-shadow:4px 4px 4px 4px rgb(58, 42, 35)  
}
```

Background

The CSS property to change the background color of an element to YIQ 45.9860, 11.7830, 1.2150 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(58, 42, 35) }
```

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

```
.background{ background-color: rgb(58, 42,  
35) }
```

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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