

Converting Colors

YIQ(45.8860, 0.3210, -0.3110)

Have a look what the booklet for
YIQ(45.8860, 0.3210, -0.3110)
contains.

YIQ(45.8860, 0.3210, -0.3110)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	23
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

**YIQ(45.8860, 0.3210,
-0.3110)**

Conversions

Conversions Part 1

Format	Color
Hex	2E2E2D
RGB	46, 46, 45
RGB Percent	18%, 18%, 18%
CMY	0.8196, 0.8196, 0.8235
CMYK	0.00, 0.00, 0.02, 0.82
HSL	60°, 1%, 18%
HSV	60°, 2%, 18%
XYZ	2.5774, 2.7243, 2.8727
YIQ	45.8860, 0.3210, -0.3110

Conversions

Conversions Part 2

Format	Color
RYB	45, 46, 45
Decimal	3026477
CIELab	18.90, -0.23, 0.64
CIElCh	19, 0.681, 109.981
Yxy	2.7243, 0.3153, 0.3333
Android (android.graphics.Color)	4281216557 (0xFF2E2E2D)
YUV	45.8860, -0.4368, 0.1000
Hunter-Lab	16.5054, -1.0113, 1.2347

Details

The YIQ color **45.8860, 0.3210, -0.3110** is a dark color, and the websafe version is hex **333333**. A complement of this color would be **45.1140, -0.3210, 0.3110**, and the grayscale version is **46.0000, 0.0000, -0.0000**.

A 20% lighter version of the original color is **91.8860, 0.3210, -0.3110**, and **0.0000, 0.0000, 0.0000** is the 20% darker color. If you saturate the color by 10%, you get **45.3160, 1.9260, -1.8660**, and if you desaturate by 10%, it is **46.4560, -1.2840, 1.2440**.

Distribution



Red (18%)

Green (18%)

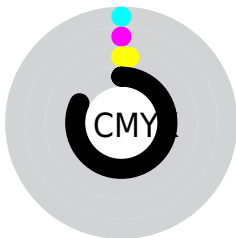
Blue (18%)



Red (18%)

Yellow (18%)

Blue (18%)

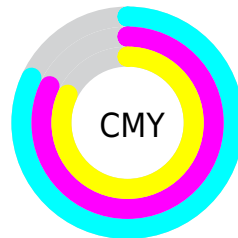


Cyan (0%)

Magenta (0%)

Yellow (2%)

Black (82%)



Cyan (82%)

Magenta (82%)

Yellow (82%)

Brightness & Saturation Gradients

These gradients show how the YIQ color 45.8860, 0.3210, -0.3110 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 45.8860, 0.3210, -0.3110 by changing the saturation by 10% instead.

■ 45.8860, 0.3210,
-0.3110

■ 45.8860, 0.3210,
-0.3110

■ 255.0000, -0.0000,
-0.0000

■ 24.8860, 0.3210,
-0.3110

■ 91.8860, 0.3210,
-0.3110

■ 0.0000, 0.0000,
0.0000

■ 115.8860, 0.3210,
-0.3110

■ 141.8860, 0.3210,
-0.3110

■ 167.8860, 0.3210,
-0.3110

■ 194.8860, 0.3210,
-0.3110

■ 222.8860, 0.3210,

-0.3110

251.8860, 0.3210,
-0.3110

45.8860, 0.3210,
-0.3110

45.8860, 0.3210,
-0.3110

45.3160, 1.9260,
-1.8660

46.4560, -1.2840,
1.2440

44.8600, 3.2100,
-3.1100

46.9120, -2.5680,
2.4880

44.2900, 4.8150,
-4.6650

47.4820, -4.1730,
4.0430

43.8340, 6.0990,
-5.9090

47.9380, -5.4570,
5.2870

43.2640, 7.7040,
-7.4640

48.5080, -7.0620,
6.8420

■ 42.6940, 9.3090,
-9.0190

■ 49.0780, -8.6670,
8.3970

■ 42.2380, 10.5930,
-10.2630

■ 49.5340, -9.9510,
9.6410

■ 41.6680, 12.1980,
-11.8180

■ 50.1040, -11.5560,
11.1960

■ 41.2120, 13.4820,
-13.0620

■ 50.5600, -12.8400,
12.4400

Harmonies

Analogous

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



46.1850, 0.9170, -0.0990



45.8860, 0.3210, -0.3110



45.5870, -0.2750, -0.5230

Triad

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



45.8860, 0.3210, -0.3110



45.8150, -0.9170, 0.0990



46.2990, 0.5960, 0.2120

Complementary

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



45.8860, 0.3210, -0.3110



45.1140, -0.3210, 0.3110

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.



46.1140, -0.3210, 0.3110



45.8860, 0.3210, -0.3110



45.8150, -0.9170, 0.0990

Square

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



45.8860, 0.3210, -0.3110



45.7010, -0.5960, -0.2120



46.1140, -0.3210, 0.3110



46.2990, 0.5960, 0.2120

Rectangle

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



45.8860, 0.3210, -0.3110



45.7010, -0.5960, -0.2120



46.1140, -0.3210, 0.3110



46.2990, 0.5960, 0.2120

Sweetspot

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



45.8860, 0.3210, -0.3110



58.8860, 0.3210, -0.3110



45.2990, 0.5960, 0.2120



30.8860, 0.3210, -0.3110



158.0000, -0.0000, 0.0000



31.0000, -0.0000, -0.0000

Same Dimension

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



45.8860, 0.3210, -0.3110



58.7720, 0.6420, -0.6220



22.8860, 0.3210, -0.3110



77.0820, 27.9270, -27.0570



189.6040, 68.6940, -66.5540

Inverse Universe

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



45.1140, -0.3210, 0.3110



57.2280, -0.6420, 0.6220



45.4130, 0.2750, 0.5230



22.1140, -0.3210, 0.3110



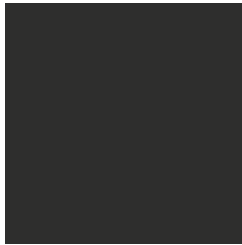
9.9180, -27.9270, 27.0570



24.3960, -68.6940, 66.5540

Previews

White Background



This preview shows how the YIQ color 45.8860, 0.3210, -0.3110 looks on a white background.

Color Contrast Check

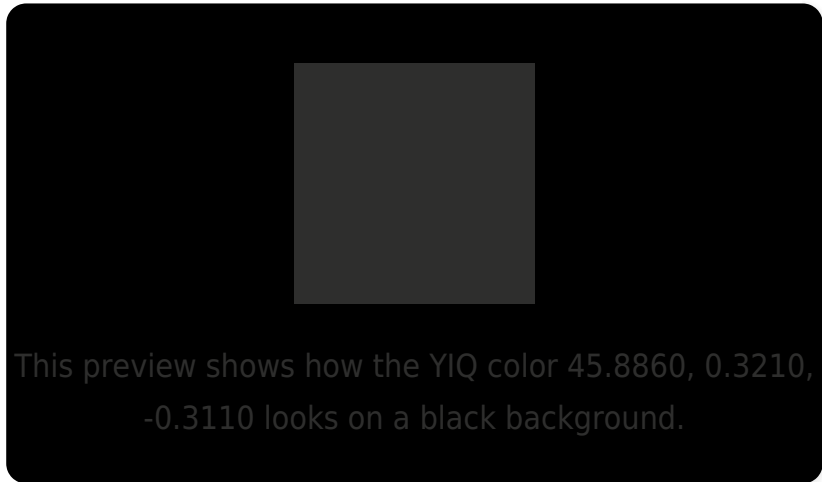
Large Text (above 18pt) WCAG AA ✓ Pass

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

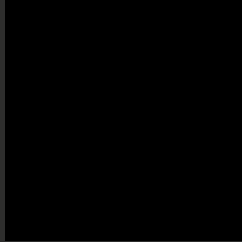
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

YIQ 45.8860, 0.3210, -0.3110

Background



This preview shows how black text looks on a background with the YIQ color 45.8860, 0.3210, -0.3110.



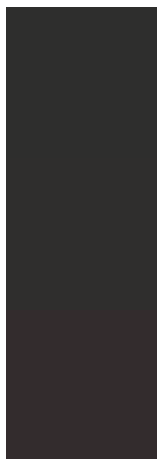
This preview shows how white text looks on a background with the YIQ color 45.8860, 0.3210, -0.3110.

-0.3110.

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

45.8860, 0.3210, -0.3110

Protanopia

46.1850, 0.9170, -0.0990

Deuteranopia

46.2070, 3.8510, 1.7950



Tritanopia

46.0540, -0.0920, 1.6680

Trichromacy



Original Color

45.8860, 0.3210, -0.3110

Protanomaly

46.1850, 0.9170, -0.0990

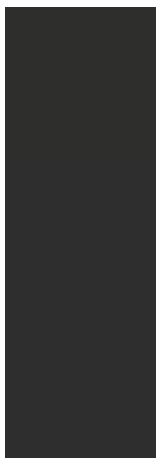
Deuteranomaly

46.1960, 2.3840, 0.8480

Tritanomaly

45.9400, 0.2290, 1.3570

Monochromacy



Original Color

45.8860, 0.3210, -0.3110

Achromatopsia

46.0000, 0.0000, -0.0000

Achromatomaly

46.0000, 0.0000, -0.0000

CSS Examples

Text

The CSS property to change the color of the text to YIQ 45.8860, 0.3210, -0.3110 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(46, 46, 45)` looks like.

```
.text, #text, p{  
    color:rgb(46, 46, 45)  
}
```

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(46, 46, 45) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(46, 46, 45) }
```

Border

The CSS property to change the border of an element to YIQ 45.8860, 0.3210, -0.3110 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(46, 46, 45) }
```

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

```
.border{ border-color:rgb(46, 46, 45) }
```

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

Here you see how a box with a 4 pixel `rgb(46, 46, 45)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(46, 46, 45); -webkit-box-  
shadow:4px 4px 4px 4px rgb(46, 46, 45);  
box-shadow:4px 4px 4px 4px rgb(46, 46, 45)  
}
```


Background

The CSS property to change the background color of an element to YIQ 45.8860, 0.3210, -0.3110 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(46, 46, 45) }
```

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

```
.background{ background-color: rgb(46, 46,  
45) }
```

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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