

Converting Colors

YIQ(45.6740, 4.0340, 3.9860)

Have a look what the booklet for
YIQ(45.6740, 4.0340, 3.9860)
contains.

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Color

YIQ(45.6740, 4.0340, 3.9860)

Conversions

Conversions Part 1

Format	Color
Hex	342A30
RGB	52, 42, 48
RGB Percent	20%, 16%, 19%
CMY	0.7960, 0.8353, 0.8118
CMYK	0.00, 0.19, 0.08, 0.80
HSL	324°, 11%, 18%
HSV	324°, 19%, 20%
XYZ	2.7779, 2.5993, 3.1519
YIQ	45.6740, 4.0340, 3.9860

Conversions

Conversions Part 2

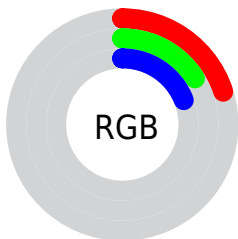
Format	Color
R_{YB}	52, 42, 48
Decimal	3418672
CIE Lab	18.36, 5.90, -2.16
CIE LCh	18, 6.288, 339.862
Yxy	2.5993, 0.3257, 0.3048
Android (android.graphics.Color)	4281608752 (0xFF342A30)
YUV	45.6740, 1.1467, 5.5479
Hunter-Lab	16.1224, 2.5417, -0.3055

Details


The YIQ color **45.6740, 4.0340, 3.9860** is a dark color, and the websafe version is hex **333333**. A complement of this color would be **48.3260, -4.0340, -3.9860**, and the grayscale version is **46.0000, 0.0000, -0.0000**.

A 20% lighter version of the original color is **91.3860, 4.9050, 4.7210**, and **0.0000, 0.0000, 0.0000** is the 20% darker color. If you saturate the color by 10%, you get **42.5110, 6.0510, 5.9790**, and if you desaturate by 10%, it is **48.8370, 2.0170, 1.9930**.

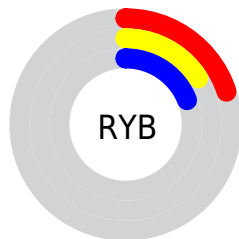
Distribution



 Red (20%)

 Green (16%)

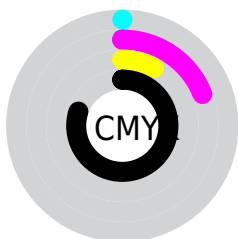
 Blue (19%)



 Red (20%)

 Yellow (16%)

 Blue (19%)

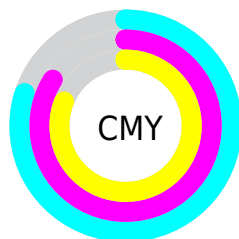


 Cyan (0%)


 Magenta (19%)

 Yellow (8%)

 Black (80%)



 Cyan (80%)

 Magenta (84%)

 Yellow (81%)

Brightness & Saturation Gradients

These gradients show how the YIQ color 45.6740, 4.0340, 3.9860 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 45.6740, 4.0340, 3.9860 by changing the saturation by 10% instead.

■ 45.6740, 4.0340,
3.9860

■ 45.6740, 4.0340,
3.9860

■ 255.0000, -0.0000,
-0.0000

■ 25.2610, 3.7590,
3.4630

■ 91.3860, 4.9050,
4.7210

■ 0.0000, 0.0000,
0.0000

■ 116.0870, 4.3090,
4.5090

■ 141.3860, 4.9050,
4.7210

■ 167.7990, 5.1800,
5.2440

■ 194.7990, 5.1800,
5.2440

■ 223.0980, 5.7760,

5.4560

250.3040, 2.2000,
4.1840

45.6740, 4.0340,
3.9860

45.6740, 4.0340,
3.9860

42.5110, 6.0510,
5.9790

48.8370, 2.0170,
1.9930

39.3480, 8.0680,
7.9720

52.0000, -0.0000,
-0.0000

35.5980, 10.3600,
10.4880

55.7500, -2.2920,
-2.5160

32.4350, 12.3770,
12.4810

58.9130, -4.3090,
-4.5090

29.2720, 14.3940,
14.4740

62.0760, -6.3260,
-6.5020

■ 26.1090, 16.4110,
16.4670

■ 65.2390, -8.3430,
-8.4950

■ 22.8320, 18.7490,
18.1490

■ 68.5160, -10.6810,
-10.1770

■ 19.0820, 21.0410,
20.6650

■ 72.2660, -12.9730,
-12.6930

■ 75.4290, -14.9900,
-14.6860

Harmonies

Analogous

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



45.2220, -0.5050, 3.6470



45.6740, 4.0340, 3.9860



45.7020, 6.8310, 2.8550

Triad

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



45.6740, 4.0340, 3.9860



44.5720, 4.0810, -2.3750



43.1560, -9.3070, -2.0350

Complementary

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



45.6740, 4.0340, 3.9860



48.3260, -4.0340, -3.9860

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.



42.7000, -8.0230, -3.2790



45.6740, 4.0340, 3.9860



43.8920, 0.1840, -3.3360

Square

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



45.6740, 4.0340, 3.9860



44.5940, 7.0150, -0.4810



43.4400, -4.3550, -3.6750



43.8080, -8.2070, 0.0570

Rectangle

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



45.6740, 4.0340, 3.9860



45.3600, 7.7940, 1.9220



43.4400, -4.3550, -3.6750



43.0420, -8.9860, -2.3460

Sweetspot

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



45.6740, 4.0340, 3.9860



66.4240, 1.7420, 1.4700



44.3360, -0.8260, 3.9580



34.1250, 1.1460, 1.2580



163.0000, -0.0000, -0.0000



36.0000, -0.0000, 0.0000

Same Dimension

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



45.6740, 4.0340, 3.9860



58.9240, 6.3260, 6.5020



45.1040, 5.6390, 2.4310



24.0110, 1.4670, 0.9470



32.7670, 35.7100, 35.6620



79.7030, 87.6020, 86.4340

Inverse Universe

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



45.6740, 4.0340, 3.9860



58.9240, 6.3260, 6.5020



48.8960, -5.6390, -2.4310



24.0110, 1.4670, 0.9470



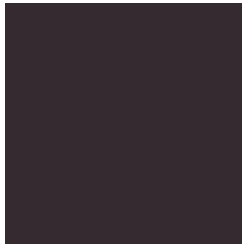
32.7670, 35.7100, 35.6620



79.7030, 87.6020, 86.4340

Previews

White Background



This preview shows how the YIQ color 45.6740, 4.0340, 3.9860 looks on a white background.

Color Contrast Check

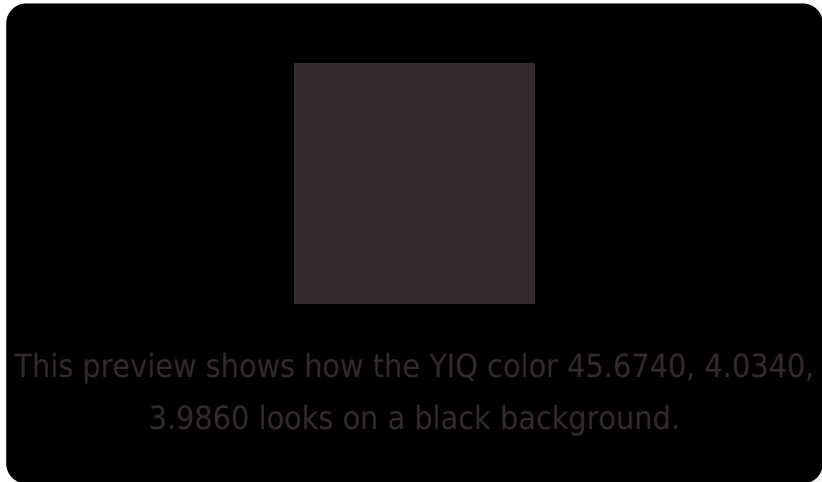
Large Text (above 18pt) WCAG AA ✓ Pass

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

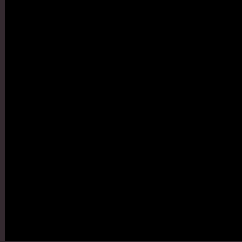
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

YIQ 45.6740, 4.0340, 3.9860

Background



This preview shows how black text looks on a background with the YIQ color 45.6740, 4.0340, 3.9860.

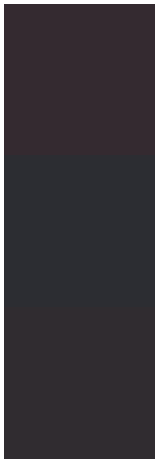


This preview shows how white text looks on a background with the YIQ color 45.6740, 4.0340, 3.9860.

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

45.6740, 4.0340, 3.9860

Protanopia

45.2710, -2.2010, 1.3430

Deuteranopia

45.6520, 1.1000, 2.0920



Tritanopia

45.4460, 4.6760, 3.3640

Trichromacy



Original Color

45.6740, 4.0340, 3.9860

Protanomaly

45.4670, 0.1830, 2.1910

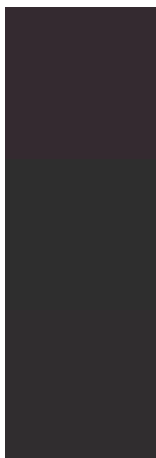
Deuteranomaly

45.3640, 1.9710, 2.8270

Tritanomaly

45.5600, 4.3550, 3.6750

Monochromacy



Original Color

45.6740, 4.0340, 3.9860

Achromatopsia

46.0000, 0.0000, -0.0000

Achromatomaly

46.1250, 1.1460, 1.2580

CSS Examples

Text

The CSS property to change the color of the text to YIQ 45.6740, 4.0340, 3.9860 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(52, 42, 48)` looks like.

```
.text, #text, p{  
    color:rgb(52, 42, 48)  
}
```

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(52, 42, 48) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(52, 42, 48) }
```

Border

The CSS property to change the border of an element to YIQ 45.6740, 4.0340, 3.9860 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(52, 42, 48) }
```

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

```
.border{ border-color:rgb(52, 42, 48) }
```

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

Here you see how a box with a 4 pixel `rgb(52, 42, 48)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(52, 42, 48); -webkit-box-  
shadow:4px 4px 4px 4px rgb(52, 42, 48);  
box-shadow:4px 4px 4px 4px rgb(52, 42, 48)  
}
```


Background

The CSS property to change the background color of an element to YIQ 45.6740, 4.0340, 3.9860 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(52, 42, 48) }
```

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

```
.background{ background-color: rgb(52, 42,  
48) }
```

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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