

Converting Colors

YIQ(45.7250, -0.0030, 16.5810)

Have a look what the booklet for
YIQ(45.7250, -0.0030, 16.5810)
contains.

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Color

**YIQ(45.7250, -0.0030,
16.5810)**

Conversions

Conversions Part 1

Format	Color
Hex	38234A
RGB	56, 35, 74
RGB Percent	22%, 14%, 29%
CMY	0.7803, 0.8628, 0.7098
CMYK	0.24, 0.53, 0.00, 0.71
HSL	272°, 36%, 21%
HSV	272°, 53%, 29%
XYZ	3.4685, 2.5372, 6.7841
YIQ	45.7250, -0.0030, 16.5810

Conversions

Conversions Part 2

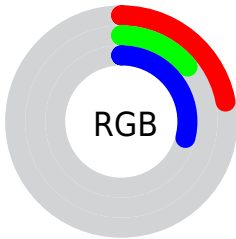
Format	Color
R_{YB}	56, 35, 74
Decimal	3679050
CIE _{Lab}	18.09, 18.92, -20.52
CIE _{LCh}	18, 27.913, 312.684
Yxy	2.5372, 0.2712, 0.1984
Android (android.graphics.Color)	4281869130 (0xFF38234A)
YUV	45.7250, 13.9396, 9.0112
Hunter-Lab	15.9285, 10.9944, -14.1024

Details

The YIQ color **45.7250, -0.0030, 16.5810** is a dark color, and the websafe version is hex **333366**. A complement of this color would be **63.2750, 0.0030, -16.5810**, and the grayscale version is **46.0000, 0.0000, -0.0000**.

A 20% lighter version of the original color is **92.0780, 0.5010, 18.4610**, and **5.8120, -4.8620, 11.0260** is the 20% darker color. If you saturate the color by 10%, you get **40.7190, 0.1340, 19.6060**, and if you desaturate by 10%, it is **50.7310, -0.1400, 13.5560**.

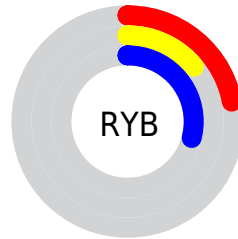
Distribution



Red (22%)

Green (14%)

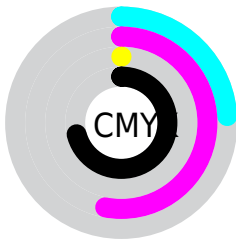
Blue (29%)



Red (22%)

Yellow (14%)

Blue (29%)

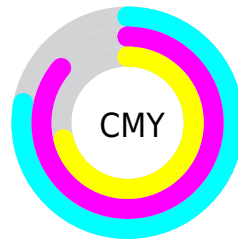


Cyan (24%)

Magenta (53%)

Yellow (0%)

Black (71%)



Cyan (78%)

Magenta (86%)

Yellow (71%)

Brightness & Saturation Gradients

These gradients show how the YIQ color 45.7250, -0.0030, 16.5810 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 45.7250, -0.0030, 16.5810 by changing the saturation by 10% instead.

■ 45.7250, -0.0030,
16.5810

■ 45.7250, -0.0030,
16.5810

■ 255.0000, -0.0000,
-0.0000

■ 23.8990, -0.5530,
15.5350

■ 92.0780, 0.5010,
18.4610

■ 5.8120, -4.8620,
11.0260

■ 116.9040, 1.0510,
19.5070

■ 0.0000, 0.0000,
0.0000

■ 143.0180, 0.7300,
19.8180

■ 169.4310, 1.0050,
20.3410

■ 196.8440, 1.2800,
20.8640

■ 223.8010, 2.8390,

20.1430

245.6080, 4.4000,
8.3680

45.7250, -0.0030,
16.5810

45.7250, -0.0030,
16.5810

40.7190, 0.1340,
19.6060

50.7310, -0.1400,
13.5560

34.8270, -0.0500,
22.9420

56.6230, 0.0440,
10.2200

29.8210, 0.0870,
25.9670

61.6290, -0.0930,
7.1950

23.9290, -0.0970,
29.3030

67.5210, 0.0910,
3.8590

20.3960, 0.0860,
31.4940

72.5270, -0.0460,
0.8340

■ 77.5330, -0.1830,
-2.1910

■ 83.4250, 0.0010,
-5.5270

■ 88.4310, -0.1360,
-8.5520

■ 94.3230, 0.0480,
-11.8880

Harmonies

Analogous

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



40.7860, -28.3360, 6.9280



45.7250, -0.0030, 16.5810



44.4730, 18.3820, 19.2940

Triad

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



45.7250, -0.0030, 16.5810



42.0290, 27.4190, -6.8290



37.6260, -31.5420, -12.0700

Complementary

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



45.7250, -0.0030, 16.5810



63.2750, 0.0030, -16.5810

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.



34.6450, -24.5260, -18.0780



45.7250, -0.0030, 16.5810



41.0550, 15.3620, -14.0940

Square

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



45.7250, -0.0030, 16.5810



42.9730, 30.9930, 5.4970



37.8940, -3.2980, -17.3300



39.2050, -37.3660, -5.6380

Rectangle

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



45.7250, -0.0030, 16.5810



42.9100, 27.2770, 17.7810



37.8940, -3.2980, -17.3300



36.8280, -29.2950, -14.2470

Sweetspot

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



45.7250, -0.0030, 16.5810



85.5150, 0.2280, 6.8840



50.0120, -17.4690, 2.7150



41.5210, 0.0910, 3.8590



176.0000, -0.0000, -0.0000



48.0000, -0.0000, 0.0000

Same Dimension

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



45.7250, -0.0030, 16.5810



52.8210, 0.0870, 25.9670



50.9930, 11.0460, 20.0860



35.0540, -0.0920, 1.6680



28.0730, 0.0380, 43.3820



63.2960, 0.0740, 97.8180

Inverse Universe

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



48.7130, 17.4660, 13.8660



57.4310, 27.3680, 21.6400



58.0070, -11.0460, -20.0860



35.4240, 1.7420, 1.4700



35.8560, 45.7050, 36.2410



80.8540, 103.0540, 81.7260

Previews

White Background



This preview shows how the YIQ color 45.7250, -0.0030, 16.5810 looks on a white background.

Color Contrast Check

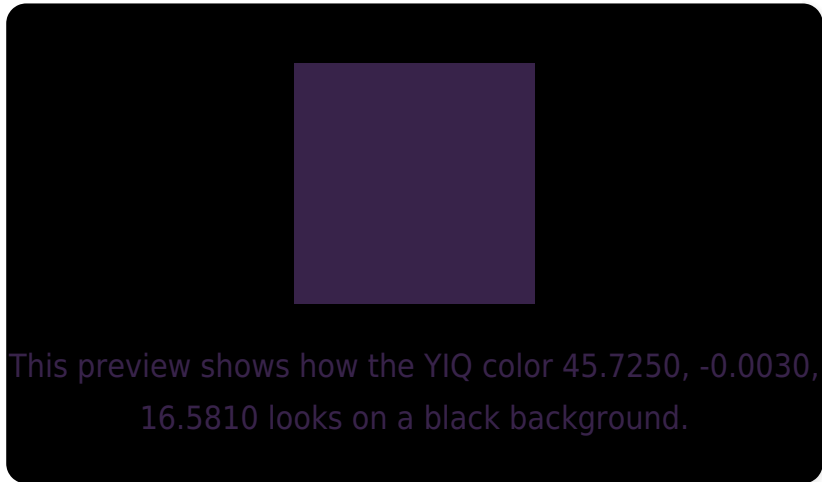
Large Text (above 18pt) WCAG AA ✓ Pass

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

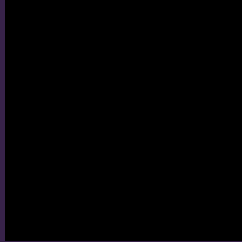
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

YIQ 45.7250, -0.0030, 16.5810

Background



This preview shows how black text looks on a background with the YIQ color 45.7250, -0.0030, 16.5810.



This preview shows how white text looks on a background with the YIQ color 45.7250, -0.0030,

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

45.7250, -0.0030, 16.5810

Protanopia

42.0640, -23.2470, 8.3130

Deuteranopia

42.9950, -18.7990, 4.7930



Tritanopia

45.0330, 4.4010, 2.8410

Trichromacy



Original Color

45.7250, -0.0030, 16.5810

Protanomaly

43.2500, -14.9030, 11.2810

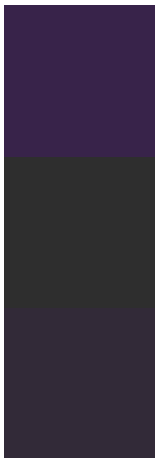
Deuteranomaly

43.7510, -12.0600, 9.3160

Tritanomaly

45.1240, 2.8870, 8.2550

Monochromacy



Original Color

45.7250, -0.0030, 16.5810

Achromatopsia

46.0000, 0.0000, -0.0000

Achromatomaly

45.9880, 0.2740, 6.0500

CSS Examples

Text

The CSS property to change the color of the text to YIQ 45.7250, -0.0030, 16.5810 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(56, 35, 74)` looks like.

```
.text, #text, p{  
    color:rgb(56, 35, 74)  
}
```

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(56, 35, 74) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(56, 35, 74) }
```

Border

The CSS property to change the border of an element to YIQ 45.7250, -0.0030, 16.5810 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(56, 35, 74) }
```


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

```
.border{ border-color:rgb(56, 35, 74) }
```

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

Here you see how a box with a 4 pixel `rgb(56, 35, 74)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(56, 35, 74); -webkit-box-  
shadow:4px 4px 4px 4px rgb(56, 35, 74);  
box-shadow:4px 4px 4px 4px rgb(56, 35, 74)  
}
```

Background

The CSS property to change the background color of an element to YIQ 45.7250, -0.0030, 16.5810 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(56, 35, 74) }
```

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

```
.background{ background-color: rgb(56, 35,  
74) }
```

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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