

Converting Colors

YIQ(45.7600, 10.0840, 15.4920)

Have a look what the booklet for
YIQ(45.7600, 10.0840, 15.4920)
contains.

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Color

**YIQ(45.7600, 10.0840,
15.4920)**

Conversions

Conversions Part 1

Format	Color
Hex	41213D
RGB	65, 33, 61
RGB Percent	25%, 13%, 24%
CMY	0.7450, 0.8706, 0.7608
CMYK	0.00, 0.49, 0.06, 0.75
HSL	308°, 33%, 19%
HSV	308°, 49%, 25%
XYZ	3.5675, 2.5486, 4.7194
YIQ	45.7600, 10.0840, 15.4920

Conversions

Conversions Part 2

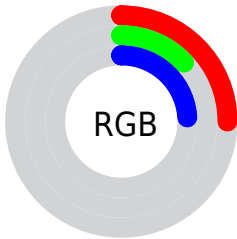
Format	Color
R_{YB}	65, 33, 61
Decimal	4268349
CIE Lab	18.14, 20.27, -11.40
CIE LCh	18, 23.252, 330.647
Yxy	2.5486, 0.3292, 0.2352
Android (android.graphics.Color)	4282458429 (0xFF41213D)
YUV	45.7600, 7.5133, 16.8735
Hunter-Lab	15.9643, 11.9512, -6.3526

Details

The YIQ color **45.7600, 10.0840, 15.4920** is a dark color, and the websafe version is hex **330033**. A complement of this color would be **52.2400, -10.0840, -15.4920**, and the grayscale version is **46.0000, 0.0000, -0.0000**.

A 20% lighter version of the original color is **92.2980, 11.5050, 17.2730**, and **8.0320, 6.1420, 9.8380** is the 20% darker color. If you saturate the color by 10%, you get **41.5370, 12.3300, 18.8420**, and if you desaturate by 10%, it is **49.3960, 8.1130, 12.6650**.

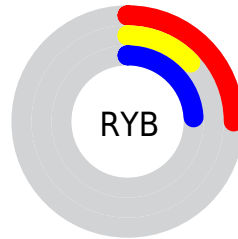
Distribution



Red (25%)

Green (13%)

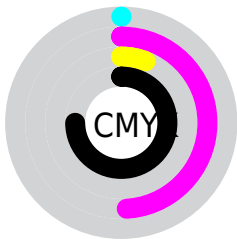
Blue (24%)



Red (25%)

Yellow (13%)

Blue (24%)

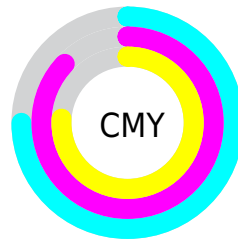


Cyan (0%)

Magenta (49%)

Yellow (6%)

Black (75%)



Cyan (75%)

Magenta (87%)

Yellow (76%)

Brightness & Saturation Gradients

These gradients show how the YIQ color 45.7600, 10.0840, 15.4920 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 45.7600, 10.0840, 15.4920 by changing the saturation by 10% instead.

■ 45.7600, 10.0840,
15.4920

■ 45.7600, 10.0840,
15.4920

■ 255.0000, -0.0000,
-0.0000

■ 24.0480, 9.2130,
14.7570

■ 92.2980, 11.5050,
17.2730

■ 8.0320, 6.1420,
9.8380

■ 117.5970, 12.1010,
17.4850

■ 0.0000, 0.0000,
0.0000

■ 143.0100, 12.3760,
18.0080

■ 169.7220, 13.2470,
18.7430

■ 197.1350, 13.5220,
19.2660

■ 225.1350, 13.5220,

19.2660

244.4340, 4.9500,
9.4140

45.7600, 10.0840,
15.4920

45.7600, 10.0840,
15.4920

41.5370, 12.3300,
18.8420

49.3960, 8.1130,
12.6650

37.9010, 14.3010,
21.6690

53.6190, 5.8670,
9.3150

33.7920, 16.2260,
25.3300

57.1410, 4.2170,
6.1770

30.1560, 18.1970,
28.1570

61.3640, 1.9710,
2.8270

25.9330, 20.4430,
31.5070

65.5870, -0.2750,
-0.5230

■ 69.2230, -2.2460,
-3.3500

■ 73.4460, -4.4920,
-6.7000

■ 77.0820, -6.4630,
-9.5270

■ 81.1910, -8.3880,
-13.1880

Harmonies

Analogous

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



45.2570, -7.6130, 11.3230



45.7600, 10.0840, 15.4920



44.2790, 21.6840, 14.5160

Triad

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



45.7600, 10.0840, 15.4920



42.4730, 17.2410, -9.5990



37.4780, -33.8810, -8.2250

Complementary

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



45.7600, 10.0840, 15.4920



52.2400, -10.0840, -15.4920

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.



35.5400, -28.4240, -13.5120



45.7600, 10.0840, 15.4920



40.4220, 4.0830, -13.4290

Square

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



45.7600, 10.0840, 15.4920



43.1630, 24.3460, -0.6940



36.9020, -14.9440, -15.5200



37.6720, -37.1830, -3.4470

Rectangle

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



45.7600, 10.0840, 15.4920



43.7970, 25.8570, 10.4730



36.9020, -14.9440, -15.5200



37.4950, -32.5510, -10.3030

Sweetspot

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



45.7600, 10.0840, 15.4920



76.8420, 3.6210, 5.9650



37.8440, -7.8880, 10.8000



38.7770, 2.2460, 3.3500



171.0000, -0.0000, -0.0000



43.0000, -0.0000, -0.0000

Same Dimension

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



45.7600, 10.0840, 15.4920



54.5530, 15.4010, 23.7610



43.9360, 15.2200, 10.5160



31.2390, 0.8250, 1.5690



38.6930, 30.5270, 46.9990



89.3200, 70.5880, 108.4440

Inverse Universe

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



45.7600, 10.0840, 15.4920



54.5530, 15.4010, 23.7610



54.0640, -15.2200, -10.5160



31.2390, 0.8250, 1.5690



38.6930, 30.5270, 46.9990



89.3200, 70.5880, 108.4440

Previews

White Background



This preview shows how the YIQ color 45.7600, 10.0840, 15.4920 looks on a white background.

Color Contrast Check

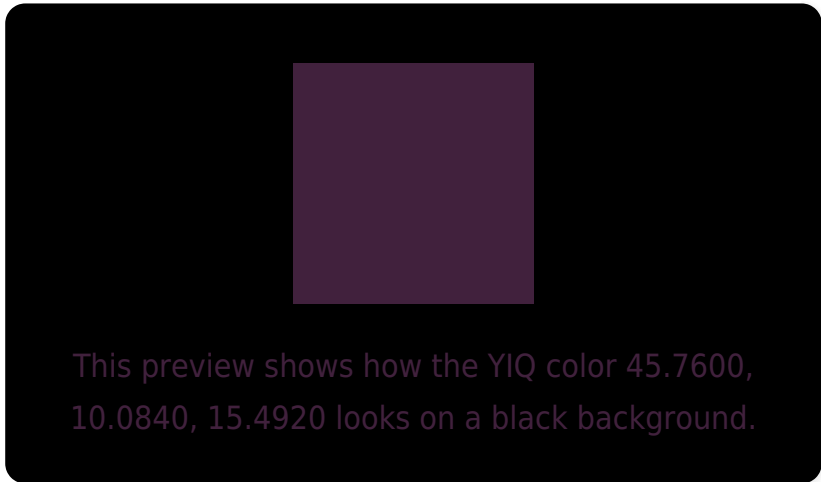
Large Text (above 18pt) WCAG AA ✓ Pass

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

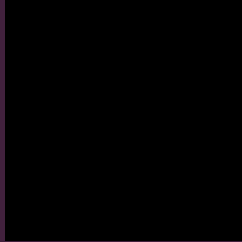
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

YIQ 45.7600, 10.0840, 15.4920

Background



This preview shows how black text looks on a background with the YIQ color 45.7600, 10.0840, 15.4920.



This preview shows how white text looks on a background with the YIQ color 45.7600, 10.0840,

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

45.7600, 10.0840, 15.4920

Protanopia

44.2730, -13.7100, 6.1780

Deuteranopia

45.1120, -6.0070, 4.2410



Tritanopia

45.8170, 13.9370, 6.2330

Trichromacy



Original Color

45.7600, 10.0840, 15.4920

Protanomaly

44.8720, -5.0910, 9.6690

Deuteranomaly

45.2700, -0.4600, 8.3400

Tritanomaly

45.7400, 12.8360, 9.6680

Monochromacy



Original Color

45.7600, 10.0840, 15.4920

Achromatopsia

46.0000, 0.0000, -0.0000

Achromatomaly

45.7280, 3.9420, 5.6540

CSS Examples

Text

The CSS property to change the color of the text to YIQ 45.7600, 10.0840, 15.4920 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(65, 33, 61)` looks like.

```
.text, #text, p{  
    color:rgb(65, 33, 61)  
}
```

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(65, 33, 61) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(65, 33, 61) }
```

Border

The CSS property to change the border of an element to YIQ 45.7600, 10.0840, 15.4920 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(65, 33, 61) }
```


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

```
.border{ border-color:rgb(65, 33, 61) }
```

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

Here you see how a box with a 4 pixel `rgb(65, 33, 61)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(65, 33, 61); -webkit-box-  
shadow:4px 4px 4px 4px rgb(65, 33, 61);  
box-shadow:4px 4px 4px 4px rgb(65, 33, 61)  
}
```

Background

The CSS property to change the background color of an element to YIQ 45.7600, 10.0840, 15.4920 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(65, 33, 61) }
```

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

```
.background{ background-color: rgb(65, 33,  
61) }
```

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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