

Converting Colors

YIQ(45.8620, 37.5410, 52.0450)

Have a look what the booklet for
YIQ(45.8620, 37.5410, 52.0450)
contains.

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Color

**YIQ(45.8620, 37.5410,
52.0450)**

Conversions

Conversions Part 1

Format	Color
Hex	72025D
RGB	114, 2, 93
RGB Percent	45%, 1%, 36%
CMY	0.5526, 0.9923, 0.6352
CMYK	0.00, 0.98, 0.18, 0.55
HSL	311°, 97%, 23%
HSV	311°, 98%, 45%
XYZ	8.9480, 4.4160, 10.7413
YIQ	45.8620, 37.5410, 52.0450

Conversions

Conversions Part 2

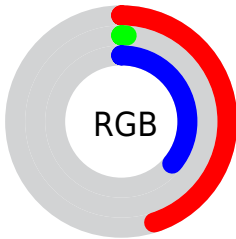
Format	Color
R_{YB}	114, 2, 93
Decimal	7471709
CIE _{Lab}	25.00, 50.73, -21.72
CIE _{LCh}	25, 55.180, 336.820
Yxy	4.4160, 0.3712, 0.1832
Android (android.graphics.Color)	4285661789 (0xFF72025D)
YUV	45.8620, 23.2390, 59.7570
Hunter-Lab	21.0143, 39.2315, -15.5957

Details

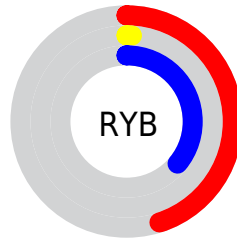
The YIQ color **45.8620, 37.5410, 52.0450** is a dark color, and the websafe version is hex **660066**. A complement of this color would be **70.1380, -37.5410, -52.0450**, and the grayscale version is **46.0000, 0.0000, -0.0000**.

A 20% lighter version of the original color is **106.8630, 35.8000, 45.0480**, and **23.8960, 21.8650, 27.7610** is the 20% darker color. If you saturate the color by 10%, you get **44.6880, 38.0910, 53.0910**, and if you desaturate by 10%, it is **52.5470, 33.8740, 46.9140**.

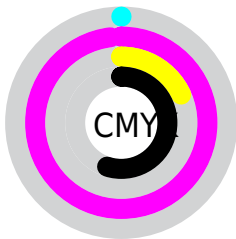
Distribution



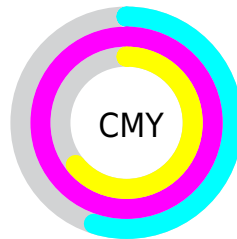
- Red (45%)
- Green (1%)
- Blue (36%)



- Red (45%)
- Yellow (1%)
- Blue (36%)



- Cyan (0%)
- Magenta (98%)
- Yellow (18%)
- Black (55%)



- Cyan (55%)
- Magenta (99%)
- Yellow (64%)

Brightness & Saturation Gradients

These gradients show how the YIQ color 45.8620, 37.5410, 52.0450 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 45.8620, 37.5410, 52.0450 by changing the saturation by 10% instead.

■ 45.8620, 37.5410,
52.0450

■ 45.8620, 37.5410,
52.0450

■ 255.0000, -0.0000,
-0.0000

■ 33.8790, 29.7030,
39.9030

■ 106.8630, 35.8000,
45.0480

■ 23.8960, 21.8650,
27.7610

■ 133.7600, 37.5880,
45.6840

■ 14.0270, 13.7060,
15.9300

■ 161.4720, 38.4590,
46.4190

■ 0.0000, 0.0000,
0.0000


■ 188.8850, 38.7340,
46.9420


■ 208.5130, 22.0460,
41.0060


■ 225.0630, 14.0250,


26.6730


 242.0860, 6.0500,
11.5060


 45.8620, 37.5410,
52.0450


 45.8620, 37.5410,
52.0450


 44.6880, 38.0910,
53.0910

 52.5470, 33.8740,
46.9140

 59.8190, 29.9320,
41.2600

 66.5040, 26.2650,
36.1290

 73.8900, 22.0020,
30.7860

 80.5750, 18.3350,
25.6550

■ 87.2600, 14.6680,
20.5240

■ 94.5320, 10.7260,
14.8700

■ 101.2170, 7.0590,
9.7390

■ 108.4890, 3.1170,
4.0850

Harmonies

Analogous

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



59.1650, -12.3850, 31.7350



45.8620, 37.5410, 52.0450



44.4990, 60.1920, 43.5200

Triad

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



45.8620, 37.5410, 52.0450



55.2420, 21.9650, -18.1230



57.0380, -55.8890, -5.8490

Complementary

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



45.8620, 37.5410, 52.0450



70.1380, -37.5410, -52.0450

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.



52.3640, -42.7280, -18.6000



45.8620, 37.5410, 52.0450



45.8740, -9.7140, -33.2180

Square

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



45.8620, 37.5410, 52.0450



55.4290, 46.9040, -2.0240



46.0600, -27.7330, -31.5490



57.8820, -63.7770, 4.9510

Rectangle

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



45.8620, 37.5410, 52.0450



40.5240, 67.0710, 34.4870



46.0600, -27.7330, -31.5490



55.5560, -51.7160, -9.8920

Sweetspot

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



45.8620, 37.5410, 52.0450



121.8470, 14.3930, 20.0010



21.0470, -23.4360, 39.2840



58.1680, 8.7550, 12.0430



201.0000, -0.0000, 0.0000



74.0000, -0.0000, 0.0000

Same Dimension

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



45.8620, 37.5410, 52.0450



57.9320, 49.6880, 68.6960



39.4780, 55.5170, 34.6290



52.3640, 1.9710, 2.8270



46.9380, 40.3830, 55.6070



96.7670, 82.6910, 114.8750

Inverse Universe

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



45.8620, 37.5410, 52.0450



57.9320, 49.6880, 68.6960



76.5220, -55.5170, -34.6290



52.3640, 1.9710, 2.8270



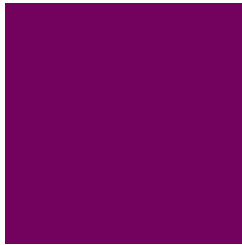
46.9380, 40.3830, 55.6070



96.7670, 82.6910, 114.8750

Previews

White Background



This preview shows how the YIQ color 45.8620, 37.5410, 52.0450 looks on a white background.

Color Contrast Check

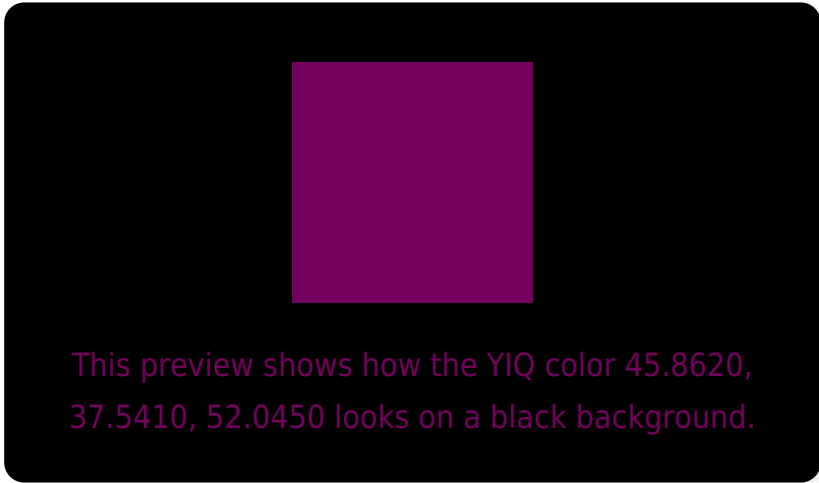
Large Text (above 18pt) WCAG AA ✓ Pass

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 45.8620, 37.5410, 52.0450

Background



This preview shows how black text looks on a background with the YIQ color 45.8620, 37.5410, 52.0450.



This preview shows how white text looks on a background with the YIQ color 45.8620, 37.5410,

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

45.8620, 37.5410, 52.0450

Protanopia

49.9260, -57.9090, 8.7390

Deuteranopia

62.4580, -12.7930, 6.0790



Tritanopia

59.0550, 42.8660, 16.0980

Trichromacy



Original Color

45.8620, 37.5410, 52.0450

Protanomaly

48.3760, -23.5250, 24.3710

Deuteranomaly

56.3500, 5.7270, 22.8710

Tritanomaly

54.0030, 40.6170, 29.3290

Monochromacy



Original Color

45.8620, 37.5410, 52.0450

Achromatopsia

46.0000, 0.0000, -0.0000

Achromatomaly

46.0210, 13.8430, 18.9550

CSS Examples

Text

The CSS property to change the color of the text to YIQ 45.8620, 37.5410, 52.0450 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(114, 2, 93)` looks like.

```
.text, #text, p{  
    color:rgb(114, 2, 93)  
}
```

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(114, 2, 93) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(114, 2, 93) }
```

Border

The CSS property to change the border of an element to YIQ 45.8620, 37.5410, 52.0450 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(114, 2, 93) }
```


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

```
.border{ border-color:rgb(114, 2, 93) }
```

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

Here you see how a box with a 4 pixel `rgb(114, 2, 93)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(114, 2, 93); -webkit-box-  
shadow:4px 4px 4px 4px rgb(114, 2, 93);  
box-shadow:4px 4px 4px 4px rgb(114, 2, 93)  
}
```

Background

The CSS property to change the background color of an element to YIQ 45.8620, 37.5410, 52.0450 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(114, 2, 93) }
```

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

```
.background{ background-color: rgb(114, 2,  
93) }
```

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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