

Converting Colors

YIQ(42.0500, 25.2080, 49.7840)

Have a look what the booklet for
YIQ(42.0500, 25.2080, 49.7840)
contains.

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Color

**YIQ(42.0500, 25.2080,
49.7840)**

Conversions

Conversions Part 1

Format	Color
Hex	610363
RGB	97, 3, 99
RGB Percent	38%, 1%, 39%
CMY	0.6193, 0.9884, 0.6117
CMYK	0.02, 0.97, 0.00, 0.61
HSL	299°, 94%, 20%
HSV	299°, 97%, 39%
XYZ	7.2221, 3.5106, 12.1030
YIQ	42.0500, 25.2080, 49.7840

Conversions

Conversions Part 2

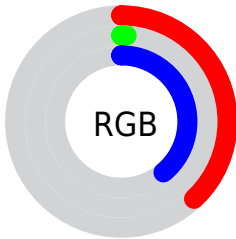
Format	Color
R_{YB}	97, 3, 99
Decimal	6357859
CIE _{Lab}	21.98, 48.06, -30.68
CIE _{LCh}	22, 57.014, 327.450
Yxy	3.5106, 0.3163, 0.1537
Android (android.graphics.Color)	4284547939 (0xFF610363)
YUV	42.0500, 28.0764, 48.1912
Hunter-Lab	18.7366, 36.0139, -25.1830

Details

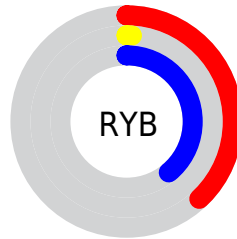
The YIQ color **42.0500, 25.2080, 49.7840** is a dark color, and the websafe version is hex **660066**. A complement of this color would be **59.9500, -25.2080, -49.7840**, and the grayscale version is **42.0000, -0.0000, -0.0000**.

A 20% lighter version of the original color is **99.8170, 24.2460, 45.1900**, and **20.2800, 11.9160, 26.3480** is the 20% darker color. If you saturate the color by 10%, you get **40.2890, 26.0330, 51.3530**, and if you desaturate by 10%, it is **47.9200, 22.4580, 44.5540**.

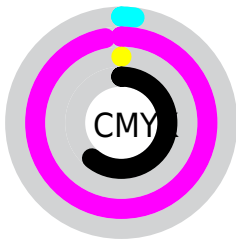
Distribution



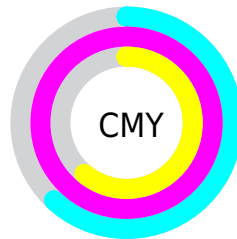
- Red (38%)
- Green (1%)
- Blue (39%)



- Red (38%)
- Yellow (1%)
- Blue (39%)



- Cyan (2%)
- Magenta (97%)
- Yellow (0%)
- Black (61%)



- Cyan (62%)
- Magenta (99%)
- Yellow (61%)

Brightness & Saturation Gradients

These gradients show how the YIQ color 42.0500, 25.2080, 49.7840 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 42.0500, 25.2080, 49.7840 by changing the saturation by 10% instead.

42.0500, 25.2080,
49.7840

42.0500, 25.2080,
49.7840

255.0000, -0.0000,
-0.0000

29.7790, 18.2410,
38.3770

99.8170, 24.2460,
45.1900

20.2800, 11.9160,
26.3480

127.1160, 24.8420,
45.4020

7.9050, -0.6900,
12.5100

153.9420, 25.3920,
46.4480


0.0000, 0.0000,
0.0000


181.6540, 26.2630,
47.1830


205.6920, 23.1000,
43.9320


222.1280, 15.4000,


29.2880


 239.1510, 7.4250,
14.1210


 42.0500, 25.2080,
49.7840


 42.0500, 25.2080,
49.7840


 40.2890, 26.0330,
51.3530

 47.9200, 22.4580,
44.5540

 53.7900, 19.7080,
39.3240

 59.9590, 17.5540,
34.3060

 65.8290, 14.8040,
29.0760

 71.1120, 12.3290,
24.3690

■ 76.9820, 9.5790,
19.1390

■ 82.8520, 6.8290,
13.9090

■ 89.0210, 4.6750,
8.8910

■ 94.8910, 1.9250,
3.6610

Harmonies

Analogous

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



47.1230, -38.9300, 22.7180



42.0500, 25.2080, 49.7840



42.4920, 52.9020, 43.4780

Triad

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



42.0500, 25.2080, 49.7840



49.9810, 27.3740, -11.5220



50.8770, -48.1860, -7.7860

Complementary

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



42.0500, 25.2080, 49.7840



59.9500, -25.2080, -49.7840

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.



45.3880, -34.1080, -20.6360



42.0500, 25.2080, 49.7840



43.2820, -1.8750, -26.6030

Square

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



42.0500, 25.2080, 49.7840



46.3360, 51.9000, 6.5560



38.7420, -18.1500, -34.5180



53.5790, -58.5500, 3.8340

Rectangle

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



42.0500, 25.2080, 49.7840



40.0120, 62.7610, 35.5050



38.7420, -18.1500, -34.5180



49.2810, -43.6920, -12.1400

Sweetspot

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



42.0500, 25.2080, 49.7840



105.9820, 9.5790, 19.1390



15.7050, -31.6410, 28.2870



50.2000, 5.7290, 11.8170



191.0000, -0.0000, -0.0000



64.0000, -0.0000, -0.0000

Same Dimension

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



42.0500, 25.2080, 49.7840



51.9670, 33.4120, 66.3080



37.5180, 40.8450, 36.2130



45.6520, 1.1000, 2.0920



45.6580, 29.6080, 58.1520



97.6250, 63.0200, 124.4600

Inverse Universe

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



31.9320, 56.5740, 20.9740



38.6140, 75.3250, 28.0690



64.4820, -40.8450, -36.2130



45.1960, 2.3840, 0.8480



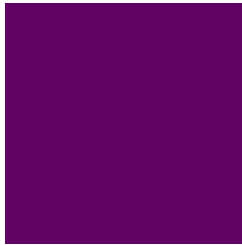
33.7160, 66.1100, 24.3660



72.3300, 141.4350, 52.4350

Previews

White Background



This preview shows how the YIQ color 42.0500, 25.2080, 49.7840 looks on a white background.

Color Contrast Check

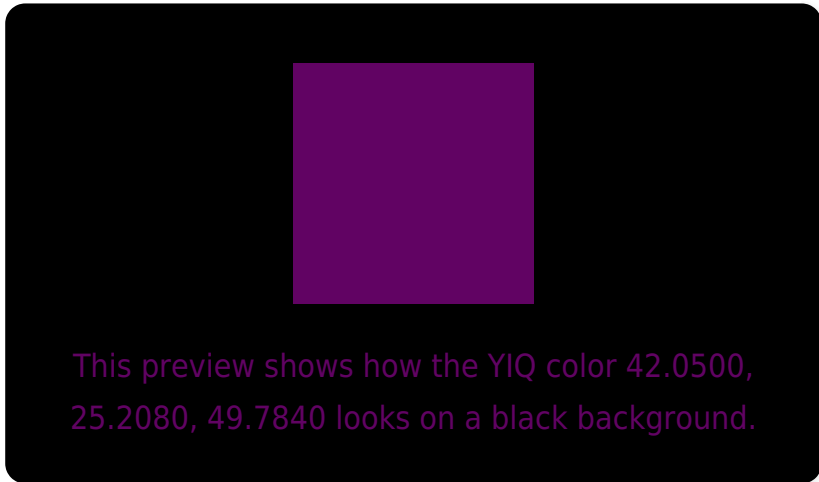
Large Text (above 18pt) WCAG AA ✓ Pass

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

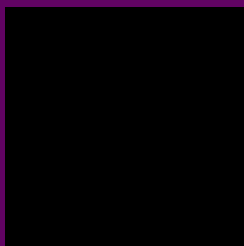
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

YIQ 42.0500, 25.2080, 49.7840

Background



This preview shows how black text looks on a background with the YIQ color 42.0500, 25.2080, 49.7840.



This preview shows how white text looks on a background with the YIQ color 42.0500, 25.2080,

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

42.0500, 25.2080, 49.7840

Protanopia

44.6940, -51.4440, 7.2120

Deuteranopia

52.7430, -26.7770, 6.2070



Tritanopia

54.8900, 30.0290, 11.9570

Trichromacy



Original Color

42.0500, 25.2080, 49.7840

Protanomaly

43.4360, -23.7540, 23.0140

Deuteranomaly

48.9940, -7.8900, 21.8540

Tritanomaly

50.2510, 28.0550, 25.7110

Monochromacy



Original Color

42.0500, 25.2080, 49.7840

Achromatopsia

42.0000, -0.0000, -0.0000

Achromatomaly

42.1560, 9.0290, 18.0930

CSS Examples

Text

The CSS property to change the color of the text to YIQ 42.0500, 25.2080, 49.7840 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(97, 3, 99)` looks like.

```
.text, #text, p{  
    color:rgb(97, 3, 99)  
}
```

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(97, 3, 99) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(97, 3, 99) }
```

Border

The CSS property to change the border of an element to YIQ 42.0500, 25.2080, 49.7840 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(97, 3, 99) }
```


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

```
.border{ border-color:rgb(97, 3, 99) }
```

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

Here you see how a box with a 4 pixel `rgb(97, 3, 99)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(97, 3, 99); -webkit-box-shadow:4px  
4px 4px 4px rgb(97, 3, 99); box-shadow:4px  
4px 4px 4px rgb(97, 3, 99) }
```

Background

The CSS property to change the background color of an element to YIQ 42.0500, 25.2080, 49.7840 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(97, 3, 99) }
```

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

```
.background{ background-color: rgb(97, 3,  
99) }
```

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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