

Converting Colors

YIQ(50.2500, 21.7690, 51.5370)

Have a look what the booklet for
YIQ(50.2500, 21.7690, 51.5370)
contains.

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Color

**YIQ(50.2500, 21.7690,
51.5370)**

Conversions

Conversions Part 1

Format	Color
Hex	670B72
RGB	103, 11, 114
RGB Percent	40%, 4%, 45%
CMY	0.5958, 0.9570, 0.5529
CMYK	0.10, 0.90, 0.00, 0.55
HSL	294°, 82%, 25%
HSV	294°, 90%, 45%
XYZ	8.7584, 4.3412, 16.2964
YIQ	50.2500, 21.7690, 51.5370

Conversions

Conversions Part 2

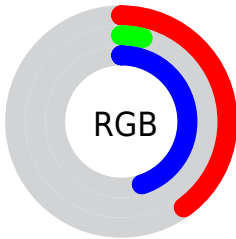
Format	Color
RYB	103, 11, 114
Decimal	6753138
CIELab	24.77, 50.11, -35.90
CIELCh	25, 61.641, 324.384
Yxy	4.3412, 0.2979, 0.1477
Android (android.graphics.Color)	4284943218 (0xFF670B72)
YUV	50.2500, 31.4288, 46.2617
Hunter-Lab	20.8356, 38.5712, -31.7882

Details

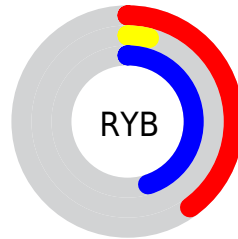
The YIQ color **50.2500, 21.7690, 51.5370** is a dark color, and the websafe version is hex **660066**. A complement of this color would be **74.7500, -21.7690, -51.5370**, and the grayscale version is **50.0000, -0.0000, -0.0000**.

A 20% lighter version of the original color is **107.0710, 20.7150, 48.6110**, and **22.9580, 10.1270, 31.2390** is the 20% darker color. If you saturate the color by 10%, you get **43.4940, 24.1980, 57.0780**, and if you desaturate by 10%, it is **57.0060, 19.3400, 45.9960**.

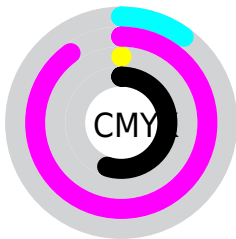
Distribution



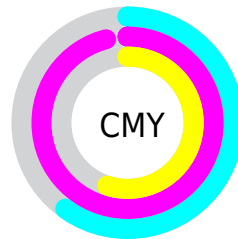
- Red (40%)
- Green (4%)
- Blue (45%)



- Red (40%)
- Yellow (4%)
- Blue (45%)



- Cyan (10%)
- Magenta (90%)
- Yellow (0%)
- Black (55%)



- Cyan (60%)
- Magenta (96%)
- Yellow (55%)

Brightness & Saturation Gradients

These gradients show how the YIQ color 50.2500, 21.7690, 51.5370 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 50.2500, 21.7690, 51.5370 by changing the saturation by 10% instead.

50.2500, 21.7690,
51.5370

50.2500, 21.7690,
51.5370

255.0000, -0.0000,
-0.0000

33.1690, 17.3230,
44.0030

107.0710, 20.7150,
48.6110

22.9580, 10.1270,
31.2390

133.7830, 21.5860,
49.3460

12.8610, 2.6100,
18.7860

161.4950, 22.4570,
50.0810

2.8670, -6.6950,
5.6970

189.3210, 23.0070,
51.1270


0.0000, 0.0000,
0.0000


209.8010, 21.1750,
40.2710


226.2370, 13.4750,


25.6270


 243.2600, 5.5000,
10.4600


 50.2500, 21.7690,
51.5370


 50.2500, 21.7690,
51.5370

 43.4940, 24.1980,
57.0780

 57.0060, 19.3400,
45.9960

 64.3490, 16.6360,
39.9320

 71.4040, 14.8030,
34.6030

 78.7470, 12.0990,
28.5390

 85.5030, 9.6700,
22.9980

■ 92.2590, 7.2410,
17.4570

■ 99.9010, 5.1330,
11.6050

■ 106.6570, 2.7040,
6.0640

■ 114.0000, 0.0000,
0.0000

Harmonies

Analogous

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



46.5810, -60.8910, 18.7330



50.2500, 21.7690, 51.5370



47.4480, 56.2020, 49.7540

Triad

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



50.2500, 21.7690, 51.5370



55.6180, 32.8300, -11.2820



56.1430, -51.9910, -10.4150

Complementary

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



50.2500, 21.7690, 51.5370



74.7500, -21.7690, -51.5370

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.



50.0840, -36.3080, -24.8200



50.2500, 21.7690, 51.5370



49.7940, 2.4350, -27.6210

Square

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



50.2500, 21.7690, 51.5370



50.5220, 60.2440, 9.5240



42.8510, -20.0750, -38.1790



59.4150, -63.9600, 2.7600

Rectangle

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



50.2500, 21.7690, 51.5370



44.8110, 67.9410, 40.7490



42.8510, -20.0750, -38.1790



54.4330, -47.1760, -15.0800

Sweetspot

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



50.2500, 21.7690, 51.5370



123.3240, 8.6160, 20.0720



29.7860, -36.3630, 25.7570



59.0150, 4.8120, 11.9160



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.



50.2500, 21.7690, 51.5370



56.3400, 31.1640, 74.0120



49.0930, 40.8440, 41.7400



52.4780, 1.6500, 3.1380



45.6730, 25.2520, 60.0040



94.2370, 52.4290, 123.6690

Inverse Universe

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



43.0510, 57.8570, 25.2570



46.0760, 83.0720, 36.3520



75.9070, -40.8440, -41.7400



51.9080, 3.2550, 1.5830



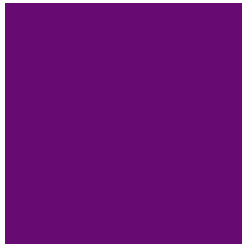
37.3620, 67.3470, 29.4830



76.8170, 138.8660, 60.4500

Previews

White Background



This preview shows how the YIQ color 50.2500, 21.7690, 51.5370 looks on a white background.

Color Contrast Check

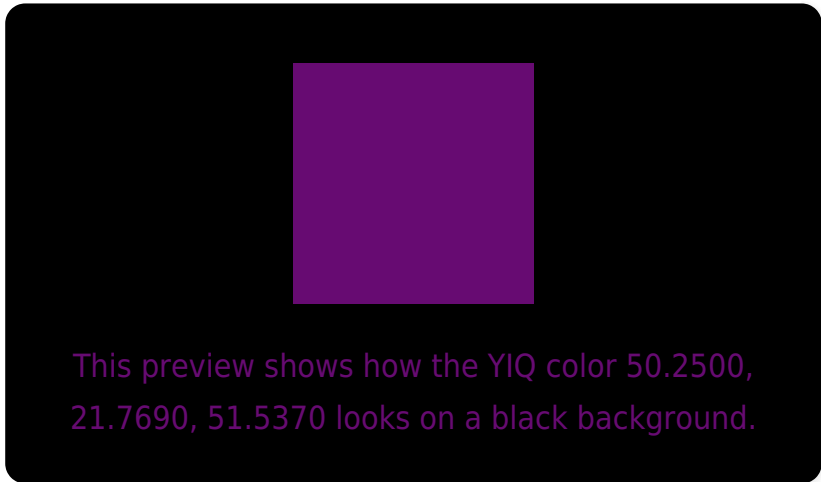
Large Text (above 18pt) WCAG AA ✓ Pass

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

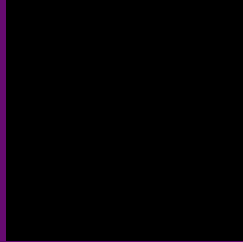
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

YIQ 50.2500, 21.7690, 51.5370

Background



This preview shows how black text looks on a background with the YIQ color 50.2500, 21.7690, 51.5370.



This preview shows how white text looks on a background with the YIQ color 50.2500, 21.7690,

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

50.2500, 21.7690, 51.5370

Protanopia

48.8830, -56.3500, 8.0180

Deuteranopia

55.1700, -38.2850, 5.5150



Tritanopia

60.4060, 28.5160, 11.8440

Trichromacy



Original Color

50.2500, 21.7690, 51.5370

Protanomaly

49.5110, -28.3390, 23.5090

Deuteranomaly

53.0300, -16.7390, 22.5330

Tritanomaly

56.9950, 25.9000, 26.2200

Monochromacy



Original Color

50.2500, 21.7690, 51.5370

Achromatopsia

50.0000, -0.0000, -0.0000

Achromatomaly

50.0850, 7.7910, 18.5030

CSS Examples

Text

The CSS property to change the color of the text to YIQ 50.2500, 21.7690, 51.5370 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(103, 11, 114)` looks like.

```
.text, #text, p{  
    color:rgb(103, 11, 114)  
}
```

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(103, 11, 114) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(103, 11, 114) }
```

Border

The CSS property to change the border of an element to YIQ 50.2500, 21.7690, 51.5370 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(103, 11, 114) }
```


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

```
.border{ border-color:rgb(103, 11, 114) }
```

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

Here you see how a box with a 4 pixel `rgb(103, 11, 114)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(103, 11, 114); -webkit-box-  
shadow:4px 4px 4px 4px rgb(103, 11, 114);  
box-shadow:4px 4px 4px 4px rgb(103, 11,  
114) }
```

Background

The CSS property to change the background color of an element to YIQ 50.2500, 21.7690, 51.5370 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(103, 11, 114) }
```

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

```
.background{ background-color: rgb(103, 11,  
114) }
```

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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