

# Converting Colors

YIQ(42.5110, 25.5280, 55.0000)

Have a look what the booklet for  
YIQ(42.5110, 25.5280, 55.0000)  
contains.

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# Color

**YIQ(42.5110, 25.5280,  
55.0000)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	65006C
RGB	101, 0, 108
RGB Percent	40%, 0%, 42%
CMY	0.6036, 1.0000, 0.5765
CMYK	0.06, 1.00, 0.00, 0.58
HSL	296°, 100%, 21%
HSV	296°, 100%, 42%
XYZ	8.0826, 3.8540, 14.5065
YIQ	42.5110, 25.5280, 55.0000

# Conversions

## Conversions Part 2

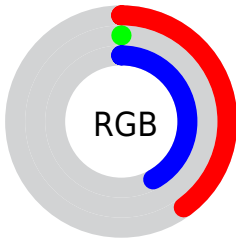
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	101, 0, 108
Decimal	6619244
CIE <sub>Lab</sub>	23.18, 50.98, -34.59
CIE <sub>LCh</sub>	23, 61.610, 325.843
Yxy	3.8540, 0.3057, 0.1457
Android (android.graphics.Color)	4284809324 (0xFF65006C)
YUV	42.5110, 32.2861, 51.2949
Hunter-Lab	19.6317, 39.1353, -30.0692

# Details

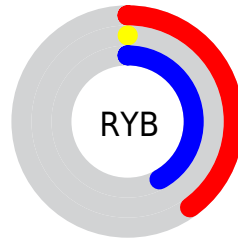
The YIQ color **42.5110, 25.5280, 55.0000** is a dark color, and the websafe version is hex **660066**. A complement of this color would be **65.4890, -25.5280, -55.0000**, and the grayscale version is **42.0000, -0.0000, -0.0000**.

A 20% lighter version of the original color is **102.7400, 23.1450, 48.6250**, and **21.7900, 10.5400, 29.2600** is the 20% darker color. If you saturate the color by 10%, you get **42.5110, 25.5280, 55.0000**, and if you desaturate by 10%, it is **49.2670, 23.0990, 49.4590**.

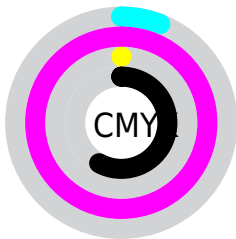
# Distribution



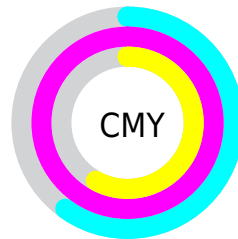
- Red (40%)
- Green (0%)
- Blue (42%)



- Red (40%)
- Yellow (0%)
- Blue (42%)



- Cyan (6%)
- Magenta (100%)
- Yellow (0%)
- Black (58%)



- Cyan (60%)
- Magenta (100%)
- Yellow (58%)

# Brightness & Saturation Gradients

These gradients show how the YIQ color 42.5110, 25.5280, 55.0000 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 42.5110, 25.5280, 55.0000 by changing the saturation by 10% instead.



42.5110, 25.5280,  
55.0000

42.5110, 25.5280,  
55.0000

255.0000, -0.0000,  
-0.0000

31.8870, 18.0570,  
41.7130

102.7400, 23.1450,  
48.6250

21.7900, 10.5400,  
29.2600

129.4520, 24.0160,  
49.3600

11.0950, 1.8310,  
16.3830

157.1640, 24.8870,  
50.0950

2.0690, -4.4480,  
3.5200


184.9900, 25.4370,  
51.1410


0.0000, 0.0000,  
0.0000


206.2790, 22.8250,  
43.4090


223.3020, 14.8500,


28.2420


 239.7380, 7.1500,  
13.5980


 42.5110, 25.5280,  
55.0000

 49.2670, 23.0990,  
49.4590

 55.7240, 20.0740,  
43.7060

 61.8930, 17.9200,  
38.6880

 68.6490, 15.4910,  
33.1470

 75.4050, 13.0620,  
27.6060

■ 81.8620, 10.0370,  
21.8530

■ 88.6180, 7.6080,  
16.3120

■ 94.7870, 5.4540,  
11.2940

■ 101.2440, 2.4290,  
5.5410

# Harmonies

## Analogous

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



42.9620, -57.5900, 19.4820



42.5110, 25.5280, 55.0000



45.5680, 55.7440, 47.0400

# Triad

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



42.5110, 25.5280, 55.0000



52.6500, 29.8040, -11.5080



53.6810, -50.5700, -8.6340

# Complementary

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



42.5110, 25.5280, 55.0000



65.4890, -25.5280, -55.0000

# 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.



47.6220, -34.8870, -23.0390



42.5110, 25.5280, 55.0000



45.9400, -0.9120, -27.5360

# Square

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



42.5110, 25.5280, 55.0000



47.2550, 56.6220, 9.0860



40.5030, -18.9750, -36.0870



56.8390, -62.2180, 4.2300



# Rectangle

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



42.5110, 25.5280, 55.0000



42.7460, 66.5660, 38.1340



40.5030, -18.9750, -36.0870



51.8570, -45.4340, -13.6100

# Sweetspot

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



42.5110, 25.5280, 55.0000



114.7480, 10.3580, 21.5420



16.4210, -36.5930, 29.9270



56.0260, 6.2790, 12.8630



199.0000, -0.0000, 0.0000



71.0000, -0.0000, -0.0000



# Same Dimension

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



42.5110, 25.5280, 55.0000



55.1290, 33.1360, 71.3120



39.2460, 44.7870, 41.8670



50.1790, 1.0540, 2.9260



46.2280, 28.0030, 59.7070



96.4010, 57.8390, 124.7430



# Inverse Universe

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



33.0900, 62.1210, 25.0730



42.8860, 80.5510, 32.4790



68.7540, -44.7870, -41.8670



49.9080, 3.2550, 1.5830



35.8950, 67.1640, 27.2920



75.0790, 140.8840, 56.9160



# Previews

## White Background



This preview shows how the YIQ color 42.5110, 25.5280, 55.0000 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

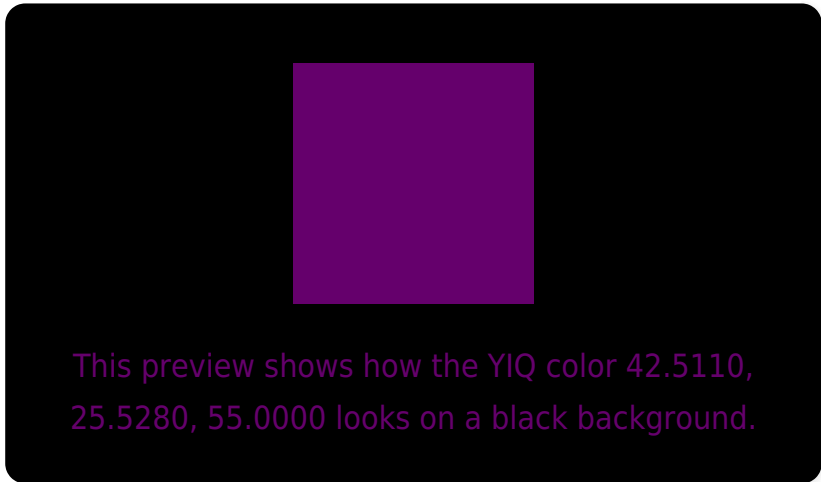
Any Text WCAG AA ✓ Pass

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

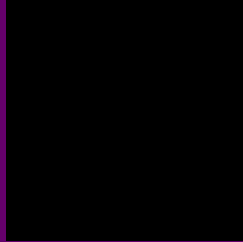
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

# YIQ 42.5110, 25.5280, 55.0000

## Background



This preview shows how black text looks on a background with the YIQ color 42.5110, 25.5280, 55.0000.



This preview shows how white text looks on a background with the YIQ color 42.5110, 25.5280,

55.0000.

# 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

42.5110, 25.5280, 55.0000

### Protanopia

47.1390, -54.1950, 7.5090

### Deuteranopia

54.6220, -33.7460, 5.8540



## Tritanopia

57.8900, 30.0290, 11.9570

# Trichromacy



## Original Color

42.5110, 25.5280, 55.0000

## Protanomaly

45.4190, -25.0840, 25.0920

## Deuteranomaly

50.0090, -12.2460, 23.7060

## Tritanomaly

52.6040, 28.5590, 27.5910

# Monochromacy



## Original Color

42.5110, 25.5280, 55.0000

## Achromatopsia

43.0000, -0.0000, -0.0000

## Achromatomaly

42.6230, 9.2120, 20.2840

# CSS Examples

## Text

The CSS property to change the color of the text to YIQ 42.5110, 25.5280, 55.0000 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(101, 0, 108)` looks like.

```
.text, #text, p{  
    color:rgb(101, 0, 108)  
}
```

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(101, 0, 108) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(101, 0, 108) }
```

## Border

The CSS property to change the border of an element to YIQ 42.5110, 25.5280, 55.0000 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(101, 0, 108) }
```



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

```
.border{ border-color:rgb(101, 0, 108) }
```

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

Here you see how a box with a 4 pixel rgb(101, 0, 108) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(101, 0, 108); -webkit-box-  
shadow:4px 4px 4px 4px rgb(101, 0, 108);  
box-shadow:4px 4px 4px 4px rgb(101, 0,  
108) }
```

# Background

The CSS property to change the background color of an element to YIQ 42.5110, 25.5280, 55.0000 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(101, 0, 108) }
```

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

```
.background{ background-color: rgb(101, 0,  
108) }
```

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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