

Converting Colors

YIQ(64.6910, 15.6730, 40.8650)

Have a look what the booklet for
YIQ(64.6910, 15.6730, 40.8650)
contains.

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Color

**YIQ(64.6910, 15.6730,
40.8650)**

Conversions

Conversions Part 1

Format	Color
Hex	692275
RGB	105, 34, 117
RGB Percent	41%, 13%, 46%
CMY	0.5880, 0.8668, 0.5412
CMYK	0.10, 0.71, 0.00, 0.54
HSL	291°, 55%, 30%
HSV	291°, 71%, 46%
XYZ	9.6143, 5.4334, 17.3715
YIQ	64.6910, 15.6730, 40.8650

Conversions

Conversions Part 2

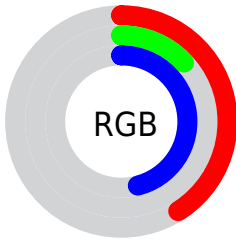
Format	Color
R_{YB}	105, 34, 117
Decimal	6890101
CIE _{Lab}	27.94, 43.59, -32.72
CIE _{LCh}	28, 54.507, 323.106
Yxy	5.4334, 0.2966, 0.1676
Android (android.graphics.Color)	4285080181 (0xFF692275)
YUV	64.6910, 25.7883, 35.3510
Hunter-Lab	23.3096, 32.8329, -27.8692

Details

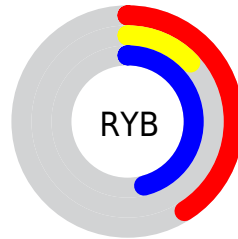
The YIQ color **64.6910, 15.6730, 40.8650** is a dark color, and the websafe version is hex **660066**. A complement of this color would be **86.3090, -15.6730, -40.8650**, and the grayscale version is **64.0000, -0.0000, -0.0000**.

A 20% lighter version of the original color is **116.8160, 16.8190, 42.1230**, and **23.8980, 10.3560, 32.5960** is the 20% darker color. If you saturate the color by 10%, you get **57.0490, 17.7810, 46.7170**, and if you desaturate by 10%, it is **72.3330, 13.5650, 35.0130**.

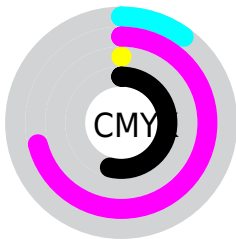
Distribution



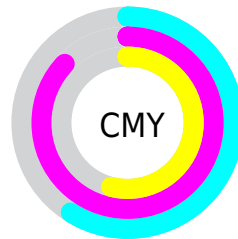
- Red (41%)
- Green (13%)
- Blue (46%)



- Red (41%)
- Yellow (13%)
- Blue (46%)



- Cyan (10%)
- Magenta (71%)
- Yellow (0%)
- Black (54%)



- Cyan (59%)
- Magenta (87%)
- Yellow (54%)

Brightness & Saturation Gradients

These gradients show how the YIQ color 64.6910, 15.6730, 40.8650 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 64.6910, 15.6730, 40.8650 by changing the saturation by 10% instead.

64.6910, 15.6730,
40.8650

64.6910, 15.6730,
40.8650

255.0000, -0.0000,
-0.0000

35.8700, 16.7270,
43.7910

116.8160, 16.8190,
42.1230

23.8980, 10.3560,
32.5960

143.5280, 17.6900,
42.8580

14.9970, 5.2230,
20.9910

170.3540, 18.2400,
43.9040

3.2090, -7.6580,
6.6300

198.1800, 18.7900,
44.9500

0.0000, 0.0000,
0.0000

218.0190, 17.3250,
32.9490

234.4550, 9.6250,

18.3050

251.4780, 1.6500,
3.1380

64.6910, 15.6730,
40.8650

64.6910, 15.6730,
40.8650

57.0490, 17.7810,
46.7170

72.3330, 13.5650,
35.0130

50.2930, 20.2100,
52.2580

79.0890, 11.1360,
29.4720

43.2380, 22.0430,
57.5870

86.7310, 9.0280,
23.6200

94.3730, 6.9200,
17.7680

101.1290, 4.4910,
12.2270

■ 108.7710, 2.3830,
6.3750

■ 116.4130, 0.2750,
0.5230

■ 124.0550, -1.8330,
-5.3290

■ 130.8110, -4.2620,
-10.8700

Harmonies

Analogous

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



59.4210, -45.7610, 19.8630



64.6910, 15.6730, 40.8650



48.6590, 54.2300, 52.4540

Triad

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



64.6910, 15.6730, 40.8650



62.7170, 36.8650, -12.8230



59.8930, -54.2830, -12.9310

Complementary

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



64.6910, 15.6730, 40.8650



86.3090, -15.6730, -40.8650

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.



54.9910, -40.4800, -26.3040



64.6910, 15.6730, 40.8650



58.1000, 10.3210, -27.3670

Square

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



64.6910, 15.6730, 40.8650



59.0610, 59.9240, 4.3080



47.6440, -23.9260, -39.9740



62.7090, -64.9680, -1.0000

Rectangle

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



64.6910, 15.6730, 40.8650



46.6630, 65.6020, 44.5940



47.6440, -23.9260, -39.9740



58.2970, -49.7890, -17.2850

Sweetspot

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



64.6910, 15.6730, 40.8650



132.7210, 5.8200, 15.6760



50.5060, -29.9430, 19.5370



64.3630, 3.7120, 9.8240



204.0000, -0.0000, -0.0000



77.0000, -0.0000, -0.0000

Same Dimension

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



64.6910, 15.6730, 40.8650



71.0090, 24.4260, 63.9620



64.9730, 32.1340, 34.3900



55.1790, 1.0540, 2.9260



45.3030, 23.4180, 60.2020



92.4860, 47.2940, 123.1180

Inverse Universe

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



60.1850, 45.6160, 21.3280



64.0360, 71.3810, 33.4690



86.0270, -32.1340, -34.3900



54.9080, 3.2550, 1.5830



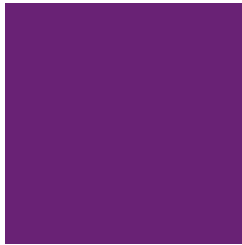
38.5300, 66.9340, 31.4620



78.8540, 137.4440, 64.1960

Previews

White Background



This preview shows how the YIQ color 64.6910, 15.6730, 40.8650 looks on a white background.

Color Contrast Check

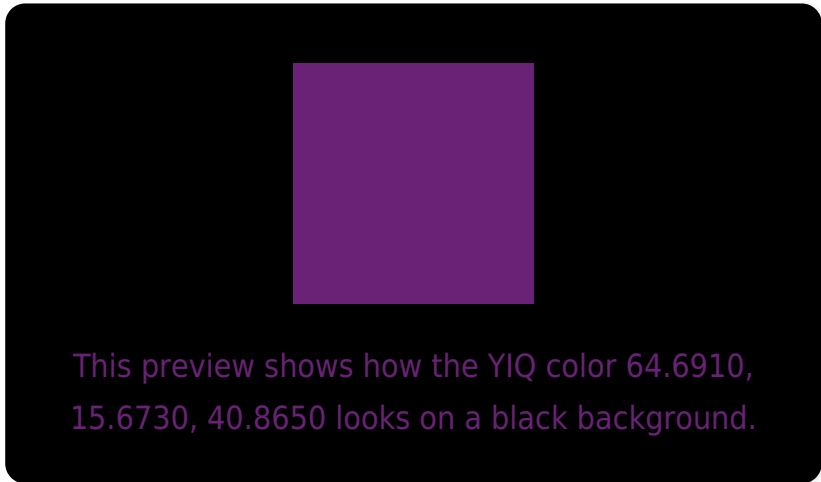
Large Text (above 18pt) WCAG AA ✓ Pass

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

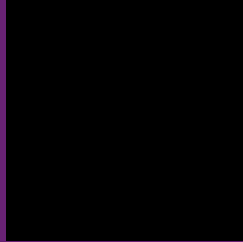
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

YIQ 64.6910, 15.6730, 40.8650

Background



This preview shows how black text looks on a background with the YIQ color 64.6910, 15.6730, 40.8650.



This preview shows how white text looks on a background with the YIQ color 64.6910, 15.6730,

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

64.6910, 15.6730, 40.8650

Protanopia

53.7730, -61.8520, 8.6120

Deuteranopia

63.3450, -31.4080, 7.5360



Tritanopia

67.3130, 24.3440, 10.3600

Trichromacy



Original Color

64.6910, 15.6730, 40.8650

Protanomaly

57.8800, -33.9320, 20.2440

Deuteranomaly

63.7050, -14.4460, 19.5220

Tritanomaly

66.4950, 21.3160, 21.1880

Monochromacy



Original Color

64.6910, 15.6730, 40.8650

Achromatopsia

65.0000, -0.0000, -0.0000

Achromatomaly

65.1940, 5.8660, 14.8420

CSS Examples

Text

The CSS property to change the color of the text to YIQ 64.6910, 15.6730, 40.8650 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(105, 34, 117)` looks like.

```
.text, #text, p{  
    color:rgb(105, 34, 117)  
}
```

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(105, 34, 117) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(105, 34, 117) }
```

Border

The CSS property to change the border of an element to YIQ 64.6910, 15.6730, 40.8650 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(105, 34, 117) }
```


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

```
.border{ border-color:rgb(105, 34, 117) }
```

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

Here you see how a box with a 4 pixel `rgb(105, 34, 117)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(105, 34, 117); -webkit-box-  
shadow:4px 4px 4px 4px rgb(105, 34, 117);  
box-shadow:4px 4px 4px 4px rgb(105, 34,  
117) }
```

Background

The CSS property to change the background color of an element to YIQ 64.6910, 15.6730, 40.8650 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(105, 34, 117) }
```

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

```
.background{ background-color: rgb(105, 34,  
117) }
```

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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