

Converting Colors

YIQ(65.8830, 14.7120, 30.7440)

Have a look what the booklet for
YIQ(65.8830, 14.7120, 30.7440)
contains.

YIQ(65.8830, 14.7120, 30.7440)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**YIQ(65.8830, 14.7120,
30.7440)**

Conversions

Conversions Part 1

Format	Color
Hex	632A66
RGB	99, 42, 102
RGB Percent	39%, 16%, 40%
CMY	0.6116, 0.8354, 0.6000
CMYK	0.03, 0.59, 0.00, 0.60
HSL	297°, 42%, 28%
HSV	297°, 59%, 40%
XYZ	8.3760, 5.2687, 13.1467
YIQ	65.8830, 14.7120, 30.7440

Conversions

Conversions Part 2

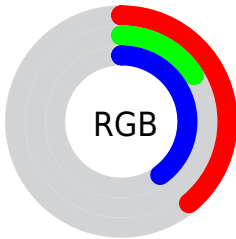
Format	Color
R_{YB}	99, 42, 102
Decimal	6498918
CIE _{Lab}	27.49, 35.06, -23.87
CIE _{LCh}	27, 42.415, 325.747
Yxy	5.2687, 0.3126, 0.1967
Android (android.graphics.Color)	4284688998 (0xFF632A66)
YUV	65.8830, 17.8057, 29.0436
Hunter-Lab	22.9537, 24.9666, -17.8905

Details

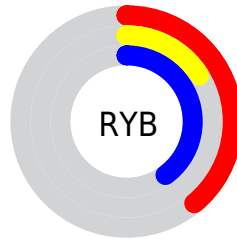
The YIQ color **65.8830, 14.7120, 30.7440** is a dark color, and the websafe version is hex **663366**. A complement of this color would be **78.1170, -14.7120, -30.7440**, and the grayscale version is **66.0000, -0.0000, -0.0000**.

A 20% lighter version of the original color is **116.3070, 16.4540, 32.2140**, and **21.2200, 12.1450, 27.7050** is the 20% darker color. If you saturate the color by 10%, you get **60.0130, 17.4620, 35.9740**, and if you desaturate by 10%, it is **72.0520, 12.5580, 25.7260**.

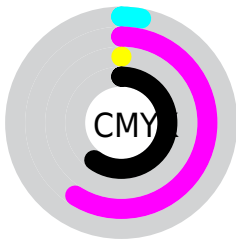
Distribution



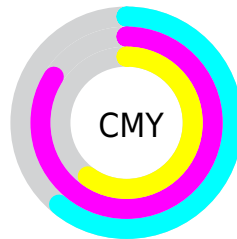
- Red (39%)
- Green (16%)
- Blue (40%)



- Red (39%)
- Yellow (16%)
- Blue (40%)



- Cyan (3%)
- Magenta (59%)
- Yellow (0%)
- Black (60%)



- Cyan (61%)
- Magenta (84%)
- Yellow (60%)

Brightness & Saturation Gradients

These gradients show how the YIQ color 65.8830, 14.7120, 30.7440 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 65.8830, 14.7120, 30.7440 by changing the saturation by 10% instead.

65.8830, 14.7120,
30.7440

65.8830, 14.7120,
30.7440

255.0000, -0.0000,
-0.0000

40.9970, 14.3910,
31.0550

116.3070, 16.4540,
32.2140

21.2200, 12.1450,
27.7050

142.1330, 17.0040,
33.2600

12.4330, 6.6910,
16.4110

168.9590, 17.5540,
34.3060

0.6840, -1.9260,
1.8660

196.6710, 18.4250,
35.0410

0.0000, 0.0000,
0.0000

220.9540, 15.9500,
30.3340

237.3900, 8.2500,

15.6900

254.4130, 0.2750,
0.5230

■ 65.8830, 14.7120,
30.7440

■ 65.8830, 14.7120,
30.7440

■ 60.0130, 17.4620,
35.9740

■ 72.0520, 12.5580,
25.7260

■ 53.8440, 19.6160,
40.9920

■ 77.9220, 9.8080,
20.4960

■ 47.3870, 22.6410,
46.7450

■ 84.6780, 7.3790,
14.9550

■ 41.2180, 24.7950,
51.7630

■ 90.5480, 4.6290,
9.7250

■ 40.6310, 25.0700,
52.2860

■ 96.7170, 2.4750,
4.7070

■ 102.5870, -0.2750,
-0.5230

■ 108.7560, -2.4290,
-5.5410

■ 115.2130, -5.4540,
-11.2940

■ 121.3820, -7.6080,
-16.3120

Harmonies

Analogous

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



64.0290, -24.1660, 19.4660



65.8830, 14.7120, 30.7440



60.6980, 40.1580, 32.1420

Triad

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



65.8830, 14.7120, 30.7440



61.5100, 33.0140, -14.6180



56.8610, -51.2570, -12.7050

Complementary

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



65.8830, 14.7120, 30.7440



78.1170, -14.7120, -30.7440

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.



53.0990, -40.6640, -22.9680



65.8830, 14.7120, 30.7440



57.2250, 11.4670, -26.1090

Square

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



65.8830, 14.7120, 30.7440



61.0810, 48.0040, 0.0680



48.0490, -29.2000, -32.4960



58.6510, -59.0530, -3.5730

Rectangle

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



65.8830, 14.7120, 30.7440



59.6740, 48.7330, 25.4130



48.0490, -29.2000, -32.4960



56.3080, -48.3220, -16.3380

Sweetspot

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



65.8830, 14.7120, 30.7440



118.3140, 5.4080, 12.1280



50.6010, -20.0850, 17.0910



57.7820, 3.8500, 7.3220



194.0000, -0.0000, 0.0000



66.0000, -0.0000, -0.0000

Same Dimension

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



65.8830, 14.7120, 30.7440



75.7400, 23.1450, 48.6250



63.7020, 25.1670, 22.9830



48.0650, 1.3750, 2.6150



45.7010, 28.0490, 58.8730



96.3580, 59.3980, 124.0220

Inverse Universe

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



60.2820, 34.7970, 13.6530



66.9750, 55.0150, 21.6950



80.2980, -25.1670, -22.9830



47.4950, 2.9800, 1.0600



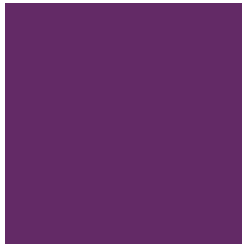
35.0690, 66.6140, 26.2460



73.7260, 140.3800, 55.0360

Previews

White Background



This preview shows how the YIQ color 65.8830, 14.7120, 30.7440 looks on a white background.

Color Contrast Check

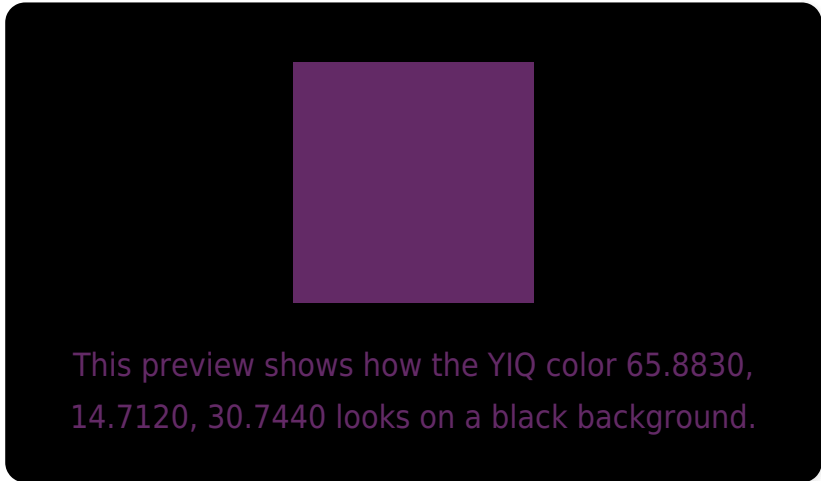
Large Text (above 18pt) WCAG AA ✓ Pass

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

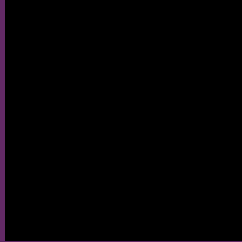
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

YIQ 65.8830, 14.7120, 30.7440

Background



This preview shows how black text looks on a background with the YIQ color 65.8830, 14.7120, 30.7440.



This preview shows how white text looks on a background with the YIQ color 65.8830, 14.7120,

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

65.8830, 14.7120, 30.7440

Protanopia

61.9410, -35.9020, 11.8900

Deuteranopia

64.5760, -18.9370, 7.2950



Tritanopia

66.4160, 22.5560, 9.7240

Trichromacy



Original Color

65.8830, 14.7120, 30.7440

Protanomaly

63.3240, -17.7470, 18.7730

Deuteranomaly

65.0770, -6.9260, 15.3940

Tritanomaly

66.4900, 19.7120, 17.2160

Monochromacy



Original Color

65.8830, 14.7120, 30.7440

Achromatopsia

66.0000, -0.0000, -0.0000

Achromatomaly

65.7870, 5.4540, 11.2940

CSS Examples

Text

The CSS property to change the color of the text to YIQ 65.8830, 14.7120, 30.7440 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(99, 42, 102)` looks like.

```
.text, #text, p{  
    color:rgb(99, 42, 102)  
}
```

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(99, 42, 102) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(99, 42, 102) }
```

Border

The CSS property to change the border of an element to YIQ 65.8830, 14.7120, 30.7440 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(99, 42, 102) }
```


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

```
.border{ border-color:rgb(99, 42, 102) }
```

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

Here you see how a box with a 4 pixel `rgb(99, 42, 102)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(99, 42, 102); -webkit-box-  
shadow:4px 4px 4px 4px rgb(99, 42, 102);  
box-shadow:4px 4px 4px 4px rgb(99, 42,  
102) }
```

Background

The CSS property to change the background color of an element to YIQ 65.8830, 14.7120, 30.7440 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(99, 42, 102) }
```

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

```
.background{ background-color: rgb(99, 42,  
102) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor