

Converting Colors

YIQ(65.8770, 24.0170, 43.8330)

Have a look what the booklet for
YIQ(65.8770, 24.0170, 43.8330)
contains.

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Color

**YIQ(65.8770, 24.0170,
43.8330)**

Conversions

Conversions Part 1

Format	Color
Hex	741F72
RGB	116, 31, 114
RGB Percent	45%, 12%, 45%
CMY	0.5448, 0.8786, 0.5529
CMYK	0.00, 0.73, 0.02, 0.54
HSL	301°, 58%, 29%
HSV	301°, 73%, 46%
XYZ	10.7378, 5.9106, 16.4969
YIQ	65.8770, 24.0170, 43.8330

Conversions

Conversions Part 2

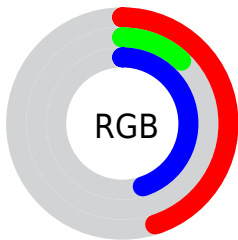
Format	Color
RYB	116, 31, 114
Decimal	7610226
CIELab	29.19, 46.94, -28.71
CIElCh	29, 55.030, 328.547
Yxy	5.9106, 0.3240, 0.1783
Android (android.graphics.Color)	4285800306 (0xFF741F72)
YUV	65.8770, 23.7246, 43.9579
Hunter-Lab	24.3118, 36.2927, -23.2132

Details

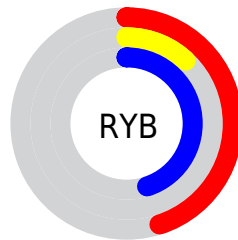
The YIQ color **65.8770, 24.0170, 43.8330** is a dark color, and the websafe version is hex **660066**. A complement of this color would be **81.1230, -24.0170, -43.8330**, and the grayscale version is **66.0000, -0.0000, -0.0000**.

A 20% lighter version of the original color is **119.3610, 25.5300, 43.9460**, and **26.5460, 17.2790, 33.7830** is the 20% darker color. If you saturate the color by 10%, you get **58.8330, 27.3170, 50.1090**, and if you desaturate by 10%, it is **72.9210, 20.7170, 37.5570**.

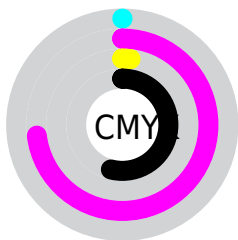
Distribution



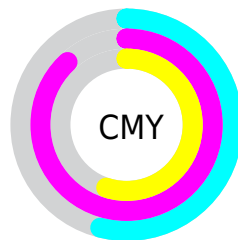
- Red (45%)
- Green (12%)
- Blue (45%)



- Red (45%)
- Yellow (12%)
- Blue (45%)



- Cyan (0%)
- Magenta (73%)
- Yellow (2%)
- Black (54%)



- Cyan (54%)
- Magenta (88%)
- Yellow (55%)

Brightness & Saturation Gradients

These gradients show how the YIQ color 65.8770, 24.0170, 43.8330 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 65.8770, 24.0170, 43.8330 by changing the saturation by 10% instead.

■ 65.8770, 24.0170,
43.8330

■ 65.8770, 24.0170,
43.8330

■ 255.0000, -0.0000,
-0.0000

■ 37.0560, 25.0710,
46.7590

■ 119.3610, 25.5300,
43.9460

■ 26.5460, 17.2790,
33.7830

■ 146.1870, 26.0800,
44.9920

■ 17.7590, 11.8250,
22.4890

■ 173.8990, 26.9510,
45.7270

■ 2.9810, -7.0160,
6.0080

■ 201.0130, 26.6300,
46.0380

■ 0.0000, 0.0000,
0.0000

■ 218.0190, 17.3250,
32.9490

■ 235.0420, 9.3500,

17.7820

252.0650, 1.3750,
2.6150

65.8770, 24.0170,
43.8330

65.8770, 24.0170,
43.8330

58.8330, 27.3170,
50.1090

72.9210, 20.7170,
37.5570

52.2620, 30.6630,
55.5510

79.4920, 17.3710,
32.1150

47.5660, 32.8630,
59.7350

86.5360, 14.0710,
25.8390

92.9930, 11.0460,
20.0860

100.0370, 7.7460,
13.8100

■ 107.1950, 4.1250,
7.8450

■ 113.6520, 1.1000,
2.0920

■ 120.6960, -2.2000,
-4.1840

■ 127.2670, -5.5460,
-9.6260

Harmonies

Analogous

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



67.0210, -29.7150, 26.4210



65.8770, 24.0170, 43.8330



49.8830, 59.4110, 52.1710

Triad

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



65.8770, 24.0170, 43.8330



64.7550, 33.7020, -16.0740



62.9080, -58.6390, -11.0790

Complementary

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



65.8770, 24.0170, 43.8330



81.1230, -24.0170, -43.8330

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.



57.8920, -44.5150, -24.7630



65.8770, 24.0170, 43.8330



59.2410, 5.3700, -31.2540

Square

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



65.8770, 24.0170, 43.8330



63.1700, 57.9990, 0.6470



51.4740, -29.1990, -38.0230



65.4960, -68.6820, 0.2300

Rectangle

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



65.8770, 24.0170, 43.8330



49.6370, 68.4910, 41.7950



51.4740, -29.1990, -38.0230



61.8990, -54.4200, -15.9560

Sweetspot

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



65.8770, 24.0170, 43.8330



130.6290, 9.0750, 17.2590



40.9890, -26.6890, 26.6470



65.1460, 5.8210, 10.1490



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.



65.8770, 24.0170, 43.8330



72.1740, 37.2630, 68.1030



61.0890, 37.4990, 30.7710



55.4780, 1.6500, 3.1380



50.0440, 34.5130, 62.8730



102.5660, 70.6760, 128.8840

Inverse Universe

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



65.8770, 24.0170, 43.8330



72.1740, 37.2630, 68.1030



85.9110, -37.4990, -30.7710



55.4780, 1.6500, 3.1380



50.0440, 34.5130, 62.8730



102.5660, 70.6760, 128.8840

Previews

White Background



This preview shows how the YIQ color 65.8770, 24.0170, 43.8330 looks on a white background.

Color Contrast Check

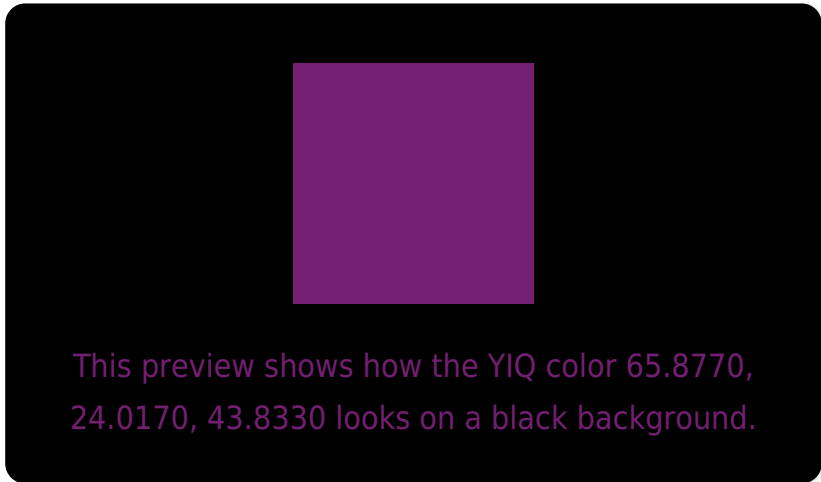
Large Text (above 18pt) WCAG AA ✓ Pass

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

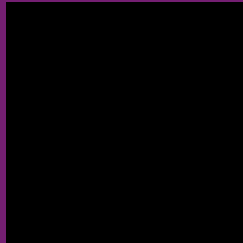
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

YIQ 65.8770, 24.0170, 43.8330

Background



This preview shows how black text looks on a background with the YIQ color 65.8770, 24.0170, 43.8330.



This preview shows how white text looks on a background with the YIQ color 65.8770, 24.0170,

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

65.8770, 24.0170, 43.8330

Protanopia

56.3320, -64.9240, 9.2200

Deuteranopia

68.6510, -23.5220, 7.7900



Tritanopia

69.6840, 33.6050, 13.2290

Trichromacy



Original Color

65.8770, 24.0170, 43.8330

Protanomaly

60.0050, -32.7860, 21.5020

Deuteranomaly

67.8370, -6.0100, 20.8220

Tritanomaly

67.9800, 30.2560, 24.3680

Monochromacy



Original Color

65.8770, 24.0170, 43.8330

Achromatopsia

66.0000, -0.0000, -0.0000

Achromatomaly

65.6890, 8.8460, 15.9020

CSS Examples

Text

The CSS property to change the color of the text to YIQ 65.8770, 24.0170, 43.8330 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(116, 31, 114)` looks like.

```
.text, #text, p{  
    color:rgb(116, 31, 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(116, 31, 114) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(116, 31, 114) }
```

Border

The CSS property to change the border of an element to YIQ 65.8770, 24.0170, 43.8330 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(116, 31, 114) }
```


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

```
.border{ border-color:rgb(116, 31, 114) }
```

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

Here you see how a box with a 4 pixel `rgb(116, 31, 114)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(116, 31, 114); -webkit-box-  
shadow:4px 4px 4px 4px rgb(116, 31, 114);  
box-shadow:4px 4px 4px 4px rgb(116, 31,  
114) }
```

Background

The CSS property to change the background color of an element to YIQ 65.8770, 24.0170, 43.8330 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(116, 31, 114) }
```

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

```
.background{ background-color: rgb(116, 31,  
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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