

Converting Colors

YIQ(83.5660, 22.5540, 20.7780)

Have a look what the booklet for
YIQ(83.5660, 22.5540, 20.7780)
contains.

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Color

**YIQ(83.5660, 22.5540,
20.7780)**

Conversions

Conversions Part 1

Format	Color
Hex	76405E
RGB	118, 64, 94
RGB Percent	46%, 25%, 37%
CMY	0.5371, 0.7491, 0.6313
CMYK	0.00, 0.46, 0.20, 0.54
HSL	327°, 30%, 36%
HSV	327°, 46%, 46%
XYZ	11.3296, 8.3269, 11.6038
YIQ	83.5660, 22.5540, 20.7780

Conversions

Conversions Part 2

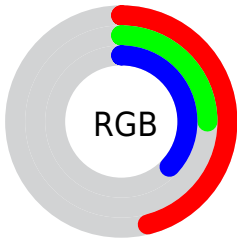
Format	Color
RYB	118, 64, 94
Decimal	7749726
CIELab	34.65, 27.73, -7.49
CIELCh	35, 28.726, 344.893
Yxy	8.3269, 0.3624, 0.2664
Android (android.graphics.Color)	4285939806 (0xFF76405E)
YUV	83.5660, 5.1440, 30.1986
Hunter-Lab	28.8563, 19.5841, -3.6424

Details

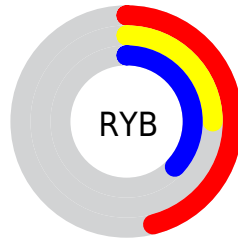
The YIQ color **83.5660, 22.5540, 20.7780** is a dark color, and the websafe version is hex **663366**. A complement of this color would be **98.4340, -22.5540, -20.7780**, and the grayscale version is **83.0000, -0.0000, 0.0000**.

A 20% lighter version of the original color is **133.8760, 24.6170, 21.9370**, and **35.7830, 20.4450, 20.4530** is the 20% darker color. If you saturate the color by 10%, you get **75.9520, 27.4590, 25.4990**, and if you desaturate by 10%, it is **91.1800, 17.6490, 16.0570**.

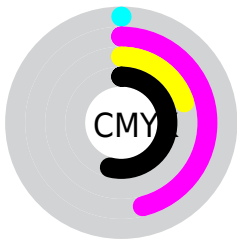
Distribution



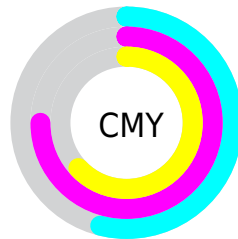
- Red (46%)
- Green (25%)
- Blue (37%)



- Red (46%)
- Yellow (25%)
- Blue (37%)



- Cyan (0%)
- Magenta (46%)
- Yellow (20%)
- Black (54%)



- Cyan (54%)
- Magenta (75%)
- Yellow (63%)

Brightness & Saturation Gradients

These gradients show how the YIQ color 83.5660, 22.5540, 20.7780 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 83.5660, 22.5540, 20.7780 by changing the saturation by 10% instead.

83.5660, 22.5540,
20.7780

83.5660, 22.5540,
20.7780

255.0000, -0.0000,
-0.0000

59.5550, 21.0870,
19.8310

134.1750, 25.2130,
22.1490

35.7830, 20.4450,
20.4530

160.5880, 25.4880,
22.6720

16.5330, 18.1530,
17.9370

188.1860, 26.6800,
23.0960

3.5880, 7.1520,
2.5440

215.3000, 26.3590,
23.4070

0.0000, 0.0000,
0.0000

235.0420, 9.3500,
17.7820

252.0650, 1.3750,

2.6150

■ 83.5660, 22.5540,
20.7780

■ 83.5660, 22.5540,
20.7780

■ 75.9520, 27.4590,
25.4990

■ 91.1800, 17.6490,
16.0570

■ 68.3380, 32.3640,
30.2200

■ 98.9080, 12.4230,
11.6470

■ 61.1970, 37.3150,
34.1070

■ 105.9350, 7.7930,
7.4490

■ 53.5830, 42.2200,
38.8280

■ 113.5490, 2.8880,
2.7280

■ 45.9690, 47.1250,
43.5490

■ 121.1630, -2.0170,
-1.9930

■ 42.8060, 49.1420,
45.5420

■ 128.7770, -6.9220,
-6.7140

■ 136.5050,
-12.1480, -11.1240

■ 143.5320,
-16.7780, -15.3220

■ 151.1460,
-21.6830, -20.0430

Harmonies

Analogous

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



83.9750, 2.2890, 19.0970



83.5660, 22.5540, 20.7780



82.4500, 34.3840, 15.6320

Triad

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



83.5660, 22.5540, 20.7780



78.5280, 15.4080, -14.9280



66.8860, -61.5730, -12.9730

Complementary

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



83.5660, 22.5540, 20.7780



98.4340, -22.5540, -20.7780

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.



65.0790, -55.1070, -20.0270



83.5660, 22.5540, 20.7780



75.3560, -4.7190, -19.1110

Square

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



83.5660, 22.5540, 20.7780



80.2250, 29.8030, -5.9810



68.4480, -34.3370, -21.9930



65.3190, -64.0500, -6.6260

Rectangle

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



83.5660, 22.5540, 20.7780



82.0170, 36.8610, 9.2850



68.4480, -34.3370, -21.9930



66.2020, -59.6470, -14.8390

Sweetspot

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



83.5660, 22.5540, 20.7780



139.5330, 8.9850, 7.8730



77.0330, -3.6260, 21.6700



68.0980, 5.7760, 5.4560



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.



83.5660, 22.5540, 20.7780



99.4740, 34.9770, 32.4250



80.6020, 30.9000, 12.6920



55.1360, 2.6130, 2.2050



44.2300, 50.8840, 47.0120



90.5960, 104.3810, 96.2290

Inverse Universe

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



83.5660, 22.5540, 20.7780



99.4740, 34.9770, 32.4250



101.3980, -30.9000, -12.6920



55.1360, 2.6130, 2.2050



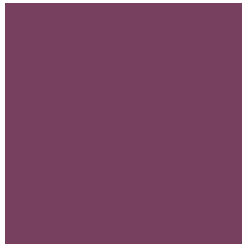
44.2300, 50.8840, 47.0120



90.5960, 104.3810, 96.2290

Previews

White Background



This preview shows how the YIQ color 83.5660, 22.5540, 20.7780 looks on a white background.

Color Contrast Check

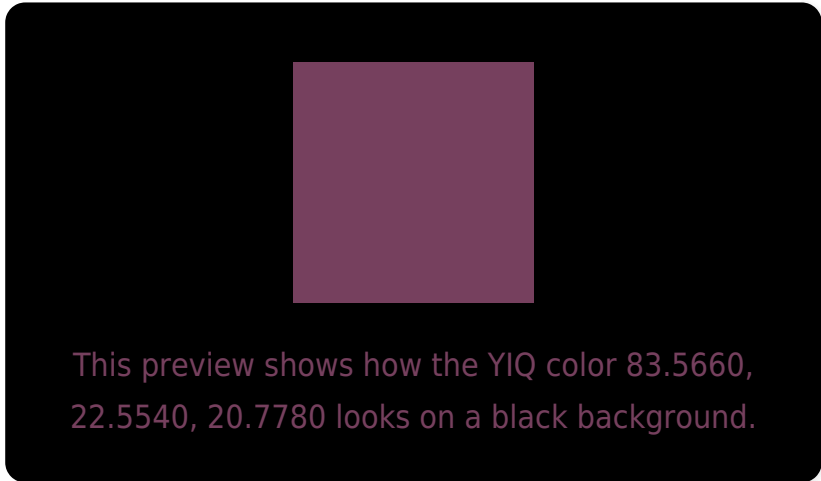
Large Text (above 18pt) WCAG AA ✓ Pass

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

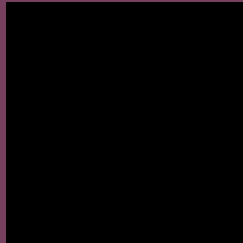
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

YIQ 83.5660, 22.5540, 20.7780

Background



This preview shows how black text looks on a background with the YIQ color 83.5660, 22.5540, 20.7780.



This preview shows how white text looks on a background with the YIQ color 83.5660, 22.5540,

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

83.5660, 22.5540, 20.7780

Protanopia

82.3550, -11.0050, 6.7150

Deuteranopia

83.0480, 0.0450, 4.6930



Tritanopia

82.9220, 27.0030, 11.7310

Trichromacy



Original Color

83.5660, 22.5540, 20.7780

Protanomaly

82.8620, 0.8690, 11.7890

Deuteranomaly

83.2280, 8.5260, 10.6860

Tritanomaly

83.5460, 25.3060, 14.9540

Monochromacy



Original Color

83.5660, 22.5540, 20.7780

Achromatopsia

84.0000, -0.0000, -0.0000

Achromatomaly

83.9350, 7.7930, 7.4490

CSS Examples

Text

The CSS property to change the color of the text to YIQ 83.5660, 22.5540, 20.7780 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(118, 64, 94)` looks like.

```
.text, #text, p{  
    color:rgb(118, 64, 94)  
}
```

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(118, 64, 94) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(118, 64, 94) }
```

Border

The CSS property to change the border of an element to YIQ 83.5660, 22.5540, 20.7780 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(118, 64, 94) }
```


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

```
.border{ border-color:rgb(118, 64, 94) }
```

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

Here you see how a box with a 4 pixel `rgb(118, 64, 94)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(118, 64, 94); -webkit-box-  
shadow:4px 4px 4px 4px rgb(118, 64, 94);  
box-shadow:4px 4px 4px 4px rgb(118, 64,  
94) }
```

Background

The CSS property to change the background color of an element to YIQ 83.5660, 22.5540, 20.7780 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(118, 64, 94) }
```

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

```
.background{ background-color: rgb(118, 64,  
94) }
```

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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