

Converting Colors

YIQ(76.3100, 20.3990, 21.2870)

Have a look what the booklet for
YIQ(76.3100, 20.3990, 21.2870)
contains.

YIQ(76.3100, 20.3990, 21.2870)	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(76.3100, 20.3990,
21.2870)**

Conversions

Conversions Part 1

Format	Color
Hex	6D395A
RGB	109, 57, 90
RGB Percent	43%, 22%, 35%
CMY	0.5724, 0.7765, 0.6470
CMYK	0.00, 0.48, 0.17, 0.57
HSL	322°, 31%, 33%
HSV	322°, 48%, 43%
XYZ	9.6193, 6.9161, 10.5040
YIQ	76.3100, 20.3990, 21.2870

Conversions

Conversions Part 2

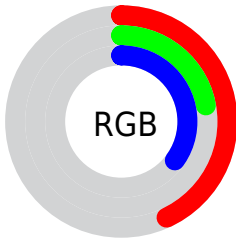
Format	Color
R_{YB}	109, 57, 90
Decimal	7158106
CIE Lab	31.62, 27.77, -9.63
CIE LCh	32, 29.394, 340.873
Yxy	6.9161, 0.3558, 0.2558
Android (android.graphics.Color)	4285348186 (0xFF6D395A)
YUV	76.3100, 6.7492, 28.6691
Hunter-Lab	26.2984, 19.2687, -5.2723

Details

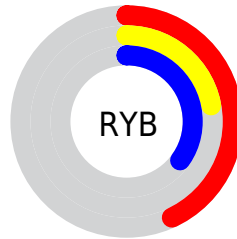
The YIQ color **76.3100, 20.3990, 21.2870** is a dark color, and the websafe version is hex **663366**. A complement of this color would be **89.6900, -20.3990, -21.2870**, and the grayscale version is **76.0000, -0.0000, -0.0000**.

A 20% lighter version of the original color is **126.6200, 22.4620, 22.4460**, and **28.5270, 18.2900, 20.9620** is the 20% darker color. If you saturate the color by 10%, you get **69.3970, 24.7080, 25.7960**, and if you desaturate by 10%, it is **83.2230, 16.0900, 16.7780**.

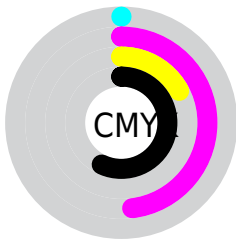
Distribution



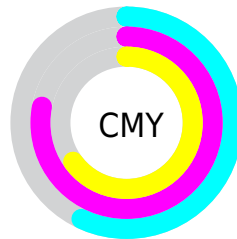
- Red (43%)
- Green (22%)
- Blue (35%)



- Red (43%)
- Yellow (22%)
- Blue (35%)



- Cyan (0%)
- Magenta (48%)
- Yellow (17%)
- Black (57%)



- Cyan (57%)
- Magenta (78%)
- Yellow (65%)

Brightness & Saturation Gradients

These gradients show how the YIQ color 76.3100, 20.3990, 21.2870 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 76.3100, 20.3990, 21.2870 by changing the saturation by 10% instead.

76.3100, 20.3990,
21.2870

76.3100, 20.3990,
21.2870

255.0000, -0.0000,
-0.0000

52.7120, 19.2070,
20.8630

126.6200, 22.4620,
22.4460

28.8260, 18.8860,
21.1740

152.3320, 23.3330,
23.1810

14.3970, 15.5400,
15.7320

180.0440, 24.2040,
23.9160

0.0000, 0.0000,
0.0000

207.4570, 24.4790,
24.4390

229.7760, 13.1550,
20.4110

246.7820, 3.8500,

7.3220

■ 76.3100, 20.3990,
21.2870

■ 76.3100, 20.3990,
21.2870

■ 69.3970, 24.7080,
25.7960

■ 83.2230, 16.0900,
16.7780

■ 62.4840, 29.0170,
30.3050

■ 90.1360, 11.7810,
12.2690

■ 55.5710, 33.3260,
34.8140

■ 97.0490, 7.4720,
7.7600

■ 48.6580, 37.6350,
39.3230

■ 103.9620, 3.1630,
3.2510

■ 41.7450, 41.9440,
43.8320

■ 110.2880, -0.8710,
-0.7350

■ 40.4570, 42.8150,
44.5670

■ 117.2010, -5.1800,
-5.2440

■ 124.1140, -9.4890,
-9.7530

■ 131.0270,
-13.7980, -14.2620

■ 137.9400,
-18.1070, -18.7710

Harmonies

Analogous

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



76.5940, -1.0120, 18.3480



76.3100, 20.3990, 21.2870



74.9060, 33.1000, 16.8760

Triad

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



76.3100, 20.3990, 21.2870



71.6100, 18.1130, -14.3910



61.7510, -56.7590, -12.1110

Complementary

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



76.3100, 20.3990, 21.2870



89.6900, -20.3990, -21.2870

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.



59.8300, -49.9720, -19.4760



76.3100, 20.3990, 21.2870



68.9110, -1.9680, -19.4080

Square

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



76.3100, 20.3990, 21.2870



73.2360, 31.2700, -5.0340



61.5900, -31.8610, -22.8130



60.9990, -60.1530, -5.6650

Rectangle

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



76.3100, 20.3990, 21.2870



74.0710, 36.7690, 10.9530



61.5900, -31.8610, -22.8130



60.9530, -54.5120, -14.2880

Sweetspot

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



76.3100, 20.3990, 21.2870



130.3480, 8.0680, 7.9720



68.3100, -5.9640, 19.9880



63.5000, 4.5840, 5.0320



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.



76.3100, 20.3990, 21.2870



91.4460, 32.1800, 33.5560



73.4600, 28.4240, 13.5120



50.2500, 2.2920, 2.5160



43.4190, 45.9780, 47.8180



90.9250, 96.2650, 100.1450

Inverse Universe

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



76.3100, 20.3990, 21.2870



91.4460, 32.1800, 33.5560



92.5400, -28.4240, -13.5120



50.2500, 2.2920, 2.5160



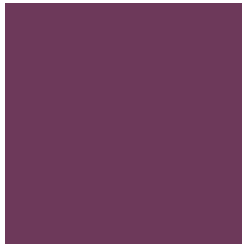
43.4190, 45.9780, 47.8180



90.9250, 96.2650, 100.1450

Previews

White Background



This preview shows how the YIQ color 76.3100, 20.3990, 21.2870 looks on a white background.

Color Contrast Check

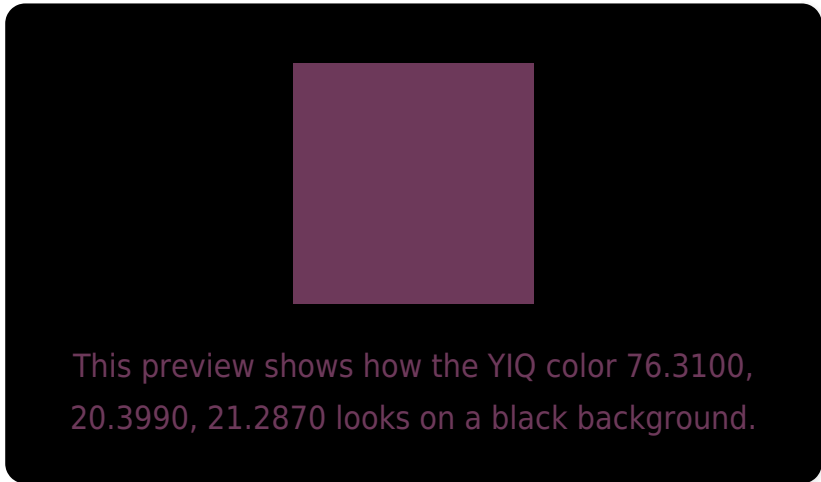
Large Text (above 18pt) WCAG AA ✓ Pass

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

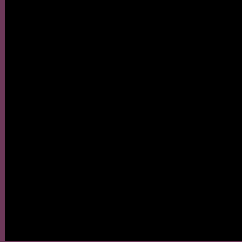
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

YIQ 76.3100, 20.3990, 21.2870

Background



This preview shows how black text looks on a background with the YIQ color 76.3100, 20.3990, 21.2870.



This preview shows how white text looks on a background with the YIQ color 76.3100, 20.3990,

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

76.3100, 20.3990, 21.2870

Protanopia

75.0990, -13.1600, 7.2240

Deuteranopia

75.4930, -2.7060, 4.9900



Tritanopia

75.9110, 25.5360, 10.7840

Trichromacy



Original Color

76.3100, 20.3990, 21.2870

Protanomaly

75.6060, -1.2860, 12.2980

Deuteranomaly

75.6730, 5.7750, 10.9830

Tritanomaly

76.0620, 23.7930, 14.8410

Monochromacy



Original Color

76.3100, 20.3990, 21.2870

Achromatopsia

76.0000, -0.0000, -0.0000

Achromatomaly

76.0490, 7.4720, 7.7600

CSS Examples

Text

The CSS property to change the color of the text to YIQ 76.3100, 20.3990, 21.2870 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(109, 57, 90)` looks like.

```
.text, #text, p{  
    color:rgb(109, 57, 90)  
}
```

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(109, 57, 90) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(109, 57, 90) }
```

Border

The CSS property to change the border of an element to YIQ 76.3100, 20.3990, 21.2870 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(109, 57, 90) }
```


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

```
.border{ border-color:rgb(109, 57, 90) }
```

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

Here you see how a box with a 4 pixel `rgb(109, 57, 90)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(109, 57, 90); -webkit-box-  
shadow:4px 4px 4px 4px rgb(109, 57, 90);  
box-shadow:4px 4px 4px 4px rgb(109, 57,  
90) }
```

Background

The CSS property to change the background color of an element to YIQ 76.3100, 20.3990, 21.2870 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(109, 57, 90) }
```

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

```
.background{ background-color: rgb(109, 57,  
90) }
```

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