

Converting Colors

YIQ(87.4240, 20.0780, 21.5980)

Have a look what the booklet for
YIQ(87.4240, 20.0780, 21.5980)
contains.

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Color

**YIQ(87.4240, 20.0780,
21.5980)**

Conversions

Conversions Part 1

Format	Color
Hex	784466
RGB	120, 68, 102
RGB Percent	47%, 27%, 40%
CMY	0.5293, 0.7334, 0.5999
CMYK	0.00, 0.43, 0.15, 0.53
HSL	321°, 28%, 37%
HSV	321°, 43%, 47%
XYZ	12.2156, 9.0869, 13.6840
YIQ	87.4240, 20.0780, 21.5980

Conversions

Conversions Part 2

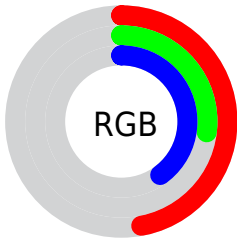
Format	Color
R_{YB}	120, 68, 102
Decimal	7881830
CIE _{Lab}	36.15, 27.54, -10.26
CIE _{LCh}	36, 29.388, 339.557
Yxy	9.0869, 0.3492, 0.2597
Android (android.graphics.Color)	4286071910 (0xFF784466)
YUV	87.4240, 7.1860, 28.5692
Hunter-Lab	30.1445, 19.5816, -5.8134

Details

The YIQ color **87.4240, 20.0780, 21.5980** is a dark color, and the websafe version is hex **663366**. A complement of this color would be **100.5760, -20.0780, -21.5980**, and the grayscale version is **87.0000, -0.0000, -0.0000**.

A 20% lighter version of the original color is **137.8480, 21.8200, 23.0680**, and **40.1140, 18.0150, 20.4390** is the 20% darker color. If you saturate the color by 10%, you get **79.9240, 24.6620, 26.6300**, and if you desaturate by 10%, it is **94.9240, 15.4940, 16.5660**.

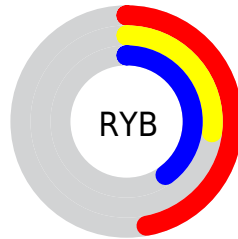
Distribution



Red (47%)

Green (27%)

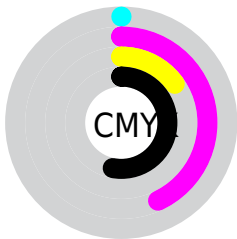
Blue (40%)



Red (47%)

Yellow (27%)

Blue (40%)

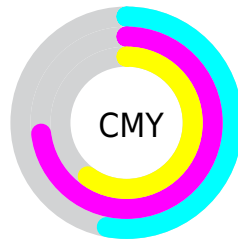


Cyan (0%)

Magenta (43%)

Yellow (15%)

Black (53%)



Cyan (53%)

Magenta (73%)

Yellow (60%)

Brightness & Saturation Gradients

These gradients show how the YIQ color 87.4240, 20.0780, 21.5980 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 87.4240, 20.0780, 21.5980 by changing the saturation by 10% instead.

87.4240, 20.0780,
21.5980

87.4240, 20.0780,
21.5980

255.0000, -0.0000,
-0.0000

63.7120, 19.2070,
20.8630

137.8480, 21.8200,
23.0680

40.1140, 18.0150,
20.4390

164.5600, 22.6910,
23.8030

17.6300, 16.5020,
20.3260

192.1580, 23.8830,
24.2270

7.3050, 9.6270,
7.2510

219.3750, 21.7740,
23.9020

0.0000, 0.0000,
0.0000

237.9770, 7.9750,
15.1670

87.4240, 20.0780,
21.5980

87.4240, 20.0780,
21.5980

79.9240, 24.6620,
26.6300

94.9240, 15.4940,
16.5660

72.4240, 29.2460,
31.6620

102.4240, 10.9100,
11.5340

64.9240, 33.8300,
36.6940

109.9240, 6.3260,
6.5020

57.3100, 38.7350,
41.4150

117.5380, 1.4210,
1.7810

49.8100, 43.3190,
46.4470

125.0380, -3.1630,
-3.2510


44.7720, 46.4820,
49.6980

132.5380, -7.7470,
-8.2830

140.0380,
-12.3310, -13.3150

147.5380,

-16.9150, -18.3470

 155.0380,
-21.4990, -23.3790

Harmonies

Analogous

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



87.4090, -1.9290, 18.4470



87.4240, 20.0780, 21.5980



85.6180, 33.9710, 17.6110

Triad

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



87.4240, 20.0780, 21.5980



82.2080, 19.3050, -13.9670



69.3480, -62.9940, -14.7540

Complementary

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



87.4240, 20.0780, 21.5980



100.5760, -20.0780, -21.5980

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.



67.4270, -56.2070, -22.1190



87.4240, 20.0780, 21.5980



79.3950, -0.4550, -19.2950

Square

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



87.4240, 20.0780, 21.5980



84.2470, 32.7370, -4.0870



73.9710, -28.5600, -22.0640



68.7100, -66.7090, -7.9970

Rectangle

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



87.4240, 20.0780, 21.5980



85.6690, 37.9610, 11.3770



73.9710, -28.5600, -22.0640



69.2510, -61.3430, -17.1430

Sweetspot

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



87.4240, 20.0780, 21.5980



142.8750, 8.0220, 8.8060



79.0110, -6.5600, 19.7760



70.9130, 4.8590, 5.5550



207.0000, 0.0000, -0.0000



79.0000, -0.0000, 0.0000

Same Dimension

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



87.4240, 20.0780, 21.5980



105.2610, 31.2630, 33.6550



84.5740, 28.1030, 13.8230



57.2500, 2.2920, 2.5160



46.7230, 48.1780, 52.0020



94.1580, 97.2270, 104.7390

Inverse Universe

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



87.4240, 20.0780, 21.5980



105.2610, 31.2630, 33.6550



103.4260, -28.1030, -13.8230



57.2500, 2.2920, 2.5160



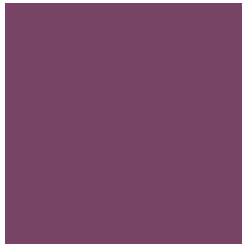
46.7230, 48.1780, 52.0020



94.1580, 97.2270, 104.7390

Previews

White Background



This preview shows how the YIQ color 87.4240, 20.0780, 21.5980 looks on a white background.

Color Contrast Check

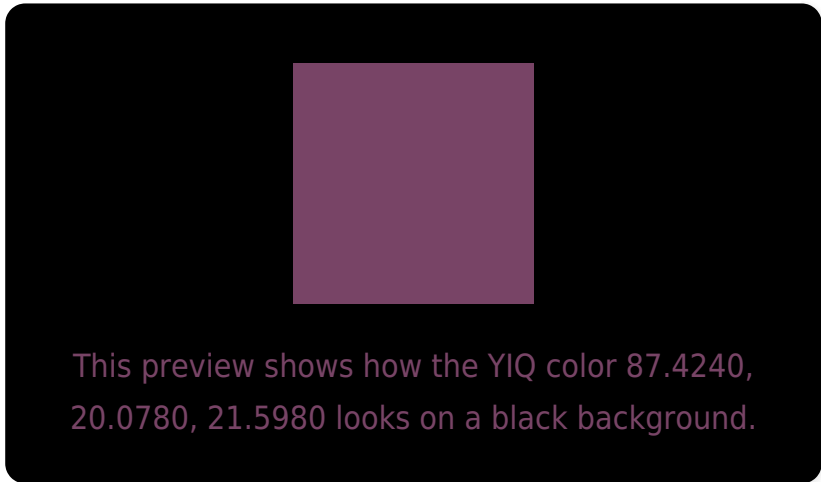
Large Text (above 18pt) WCAG AA ✓ Pass

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

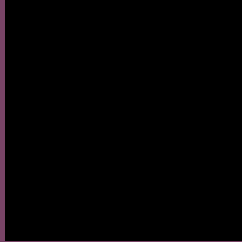
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

YIQ 87.4240, 20.0780, 21.5980

Background



This preview shows how black text looks on a background with the YIQ color 87.4240, 20.0780, 21.5980.



This preview shows how white text looks on a background with the YIQ color 87.4240, 20.0780,

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

87.4240, 20.0780, 21.5980

Protanopia

85.3270, -13.8020, 7.8460

Deuteranopia

86.0200, -2.7520, 5.8240



Tritanopia

86.7260, 24.6190, 10.8830

Trichromacy



Original Color

87.4240, 20.0780, 21.5980

Protanomaly

86.1330, -1.3320, 13.1320

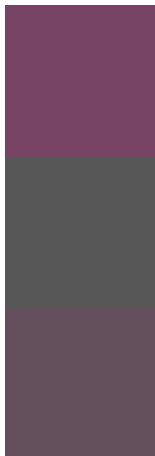
Deuteranomaly

86.7870, 5.4540, 11.2940

Tritanomaly

86.8770, 22.8760, 14.9400

Monochromacy



Original Color

87.4240, 20.0780, 21.5980

Achromatopsia

87.0000, -0.0000, -0.0000

Achromatomaly

87.0490, 7.4720, 7.7600

CSS Examples

Text

The CSS property to change the color of the text to YIQ 87.4240, 20.0780, 21.5980 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(120, 68, 102)` looks like.

```
.text, #text, p{  
    color:rgb(120, 68, 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(120, 68, 102) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(120, 68, 102) }
```

Border

The CSS property to change the border of an element to YIQ 87.4240, 20.0780, 21.5980 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(120, 68, 102) }
```


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

```
.border{ border-color:rgb(120, 68, 102) }
```

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

Here you see how a box with a 4 pixel rgb(120, 68, 102) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(120, 68, 102); -webkit-box-  
shadow:4px 4px 4px 4px rgb(120, 68, 102);  
box-shadow:4px 4px 4px 4px rgb(120, 68,  
102) }
```

Background

The CSS property to change the background color of an element to YIQ 87.4240, 20.0780, 21.5980 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(120, 68, 102) }
```

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

```
.background{ background-color: rgb(120, 68,  
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](#).

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