

Converting Colors

YIQ(87.8090, 0.3610, 32.0170)

Have a look what the booklet for
YIQ(87.8090, 0.3610, 32.0170)
contains.

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Color

**YIQ(87.8090, 0.3610,
32.0170)**

Conversions

Conversions Part 1

Format	Color
Hex	6C438E
RGB	108, 67, 142
RGB Percent	42%, 26%, 56%
CMY	0.5763, 0.7373, 0.4432
CMYK	0.24, 0.53, 0.00, 0.44
HSL	273°, 36%, 41%
HSV	273°, 53%, 56%
XYZ	13.0764, 9.1553, 26.6634
YIQ	87.8090, 0.3610, 32.0170

Conversions

Conversions Part 2

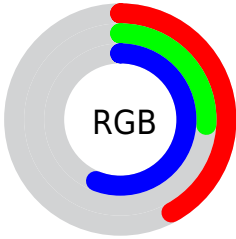
Format	Color
R _Y B	108, 67, 142
Decimal	7095182
CIE Lab	36.28, 32.77, -34.99
CIE LCh	36, 47.934, 313.124
Yxy	9.1553, 0.2674, 0.1872
Android (android.graphics.Color)	4285285262 (0xFF6C438E)
YUV	87.8090, 26.7162, 17.7075
Hunter-Lab	30.2577, 24.1906, -31.0666

Details

The YIQ color **87.8090, 0.3610, 32.0170** is a dark color, and the websafe version is hex **663399**. A complement of this color would be **121.1910, -0.3610, -32.0170**, and the grayscale version is **88.0000, -0.0000, -0.0000**.

A 20% lighter version of the original color is **138.5750, 1.1400, 34.4200**, and **39.1570, -0.7390, 29.9250** is the 20% darker color. If you saturate the color by 10%, you get **77.7970, 0.6350, 38.0670**, and if you desaturate by 10%, it is **97.8210, 0.0870, 25.9670**.

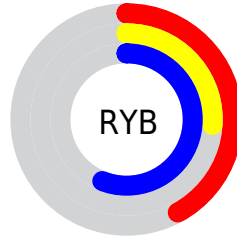
Distribution



Red (42%)

Green (26%)

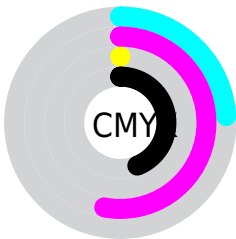
Blue (56%)



Red (42%)

Yellow (26%)

Blue (56%)

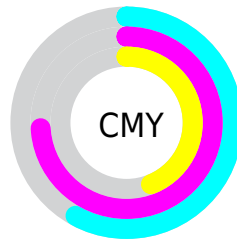


Cyan (24%)

Magenta (53%)

Yellow (0%)

Black (44%)



Cyan (58%)

Magenta (74%)

Yellow (44%)

Brightness & Saturation Gradients

These gradients show how the YIQ color 87.8090, 0.3610, 32.0170 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 87.8090, 0.3610, 32.0170 by changing the saturation by 10% instead.

87.8090, 0.3610,
32.0170

87.8090, 0.3610,
32.0170

255.0000, -0.0000,
-0.0000

63.5700, -0.4640,
30.4480

138.5750, 1.1400,
34.4200

39.1570, -0.7390,
29.9250

165.4010, 1.6900,
35.4660

17.5050, -1.8390,
27.8330

192.9280, 1.6440,
36.3000

6.2120, -11.7400,
14.5320

218.2630, 10.5860,
28.4260

3.2090, -7.6580,
6.6300

237.3900, 8.2500,
15.6900

0.0000, 0.0000,
0.0000

254.4130, 0.2750,

0.5230

■ 87.8090, 0.3610,
32.0170

■ 87.8090, 0.3610,
32.0170

■ 77.7970, 0.6350,
38.0670

■ 97.8210, 0.0870,
25.9670

■ 67.4860, 0.3130,
43.9050

■ 108.1320, 0.4090,
20.1290

■ 56.8870, 0.8620,
50.4780

■ 118.7310, -0.1400,
13.5560

■ 46.5760, 0.5400,
56.3160

■ 129.0420, 0.1820,
7.7180

■ 39.5100, 0.9060,
60.6980

■ 139.0540, -0.0920,
1.6680

■ 149.3650, 0.2300,
-4.1700

■ 159.3770, -0.0440,
-10.2200

■ 169.9760, -0.5930,
-16.7930

■ 180.2870, -0.2710,
-22.6310

Harmonies

Analogous

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



75.4360, -59.2850, 11.6510



87.8090, 0.3610, 32.0170



83.9460, 36.7640, 38.5880

Triad

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



87.8090, 0.3610, 32.0170



80.2040, 51.4910, -13.5730



72.0890, -61.0670, -22.1470

Complementary

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



87.8090, 0.3610, 32.0170



121.1910, -0.3610, -32.0170

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.



66.9420, -47.9520, -34.0640



87.8090, 0.3610, 32.0170



78.5550, 27.9730, -27.8910

Square

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



87.8090, 0.3610, 32.0170



81.2770, 59.5560, 10.9800



72.4180, -8.4300, -34.4620



74.9050, -71.7520, -10.2160

Rectangle

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



87.8090, 0.3610, 32.0170



81.0370, 52.4450, 35.2370



72.4180, -8.4300, -34.4620



70.4930, -56.5730, -26.5010

Sweetspot

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



87.8090, 0.3610, 32.0170



162.2040, -0.0940, 12.7220



96.0950, -33.7000, 5.0200



79.0420, 0.1820, 7.7180



219.0000, 0.0000, -0.0000



92.0000, 0.0000, -0.0000

Same Dimension

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



87.8090, 0.3610, 32.0170



100.0610, 0.3120, 49.4320



97.6330, 21.5880, 38.2920



65.9940, 0.1370, 3.0250



37.5160, 0.7690, 57.6730



2.1080, -0.1840, 3.3360

Inverse Universe

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



93.3010, 33.7860, 26.4740



108.6120, 52.4440, 40.7640



111.2530, -21.2670, -38.6030



66.4350, 3.2090, 2.4170



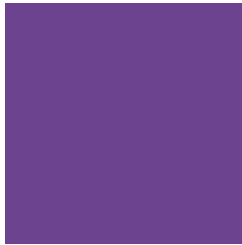
47.3190, 60.8790, 47.5910



2.7340, 3.8050, 2.6290

Previews

White Background



This preview shows how the YIQ color 87.8090, 0.3610, 32.0170 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



This preview shows how the YIQ color 87.8090, 0.3610, 32.0170 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

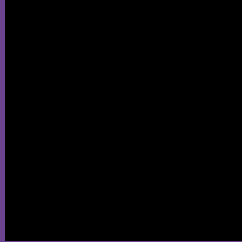
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

YIQ 87.8090, 0.3610, 32.0170

Background



This preview shows how black text looks on a background with the YIQ color 87.8090, 0.3610, 32.0170.



This preview shows how white text looks on a background with the YIQ color 87.8090, 0.3610,

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

87.8090, 0.3610, 32.0170

Protanopia

81.0850, -44.9350, 15.9050

Deuteranopia

82.6590, -35.1680, 9.6000



Tritanopia

87.0660, 8.8020, 5.6820

Trichromacy



Original Color

87.8090, 0.3610, 32.0170

Protanomaly

83.4570, -28.2470, 21.8410

Deuteranomaly

84.3450, -22.2400, 17.6000

Tritanomaly

87.3080, 5.5450, 15.1530

Monochromacy



Original Color

87.8090, 0.3610, 32.0170

Achromatopsia

88.0000, -0.0000, -0.0000

Achromatomaly

87.6770, -0.0480, 11.8880

CSS Examples

Text

The CSS property to change the color of the text to YIQ 87.8090, 0.3610, 32.0170 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(108, 67, 142)` looks like.

```
.text, #text, p{  
    color:rgb(108, 67, 142)  
}
```

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(108, 67, 142) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(108, 67, 142) }
```

Border

The CSS property to change the border of an element to YIQ 87.8090, 0.3610, 32.0170 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(108, 67, 142) }
```


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

```
.border{ border-color:rgb(108, 67, 142) }
```

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

Here you see how a box with a 4 pixel `rgb(108, 67, 142)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(108, 67, 142); -webkit-box-  
shadow:4px 4px 4px 4px rgb(108, 67, 142);  
box-shadow:4px 4px 4px 4px rgb(108, 67,  
142) }
```

Background

The CSS property to change the background color of an element to YIQ 87.8090, 0.3610, 32.0170 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(108, 67, 142) }
```

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

```
.background{ background-color: rgb(108, 67,  
142) }
```

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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