

Converting Colors

YIQ(87.1890, 102.8280, 63.7880)

Have a look what the booklet for
YIQ(87.1890, 102.8280, 63.7880)
contains.

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Color

**YIQ(87.1890, 102.8280,
63.7880)**

Conversions

Conversions Part 1

Format	Color
Hex	E11252
RGB	225, 18, 82
RGB Percent	88%, 7%, 32%
CMY	0.1171, 0.9296, 0.6781
CMYK	0.00, 0.92, 0.64, 0.12
HSL	341°, 85%, 48%
HSV	341°, 92%, 88%
XYZ	32.8351, 17.0698, 9.5651
YIQ	87.1890, 102.8280, 63.7880

Conversions

Conversions Part 2

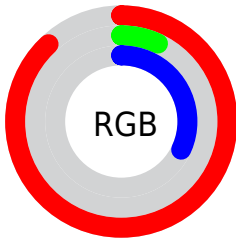
Format	Color
R_{YB}	225, 18, 82
Decimal	14750290
CIE Lab	48.35, 73.47, 22.04
CIE LCh	48, 76.707, 16.695
Yxy	17.0698, 0.5521, 0.2870
Android (android.graphics.Color)	4292940370 (0xFFE11252)
YUV	87.1890, -2.5582, 120.8602
Hunter-Lab	41.3156, 69.5584, 15.1945

Details

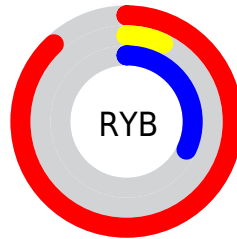
The YIQ color **87.1890, 102.8280, 63.7880** is a dark color, and the websafe version is hex **FF3366**. The color can be described as dark washed red. A complement of this color would be **155.8110, -102.8280, -63.7880**, and the grayscale version is **87.0000, -0.0000, -0.0000**.

A 20% lighter version of the original color is **147.5310, 83.5290, 44.5930**, and **52.7700, 84.3540, 46.1620** is the 20% darker color. If you saturate the color by 10%, you get **75.2550, 111.6300, 69.4700**, and if you desaturate by 10%, it is **101.9270, 91.6420, 57.2580**.

Distribution



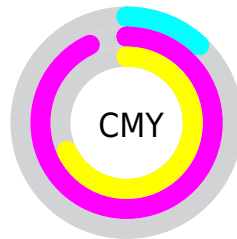
- Red (88%)
- Green (7%)
- Blue (32%)



- Red (88%)
- Yellow (7%)
- Blue (32%)



- Cyan (0%)
- Magenta (92%)
- Yellow (64%)
- Black (12%)





- Cyan (12%)
- Magenta (93%)
- Yellow (68%)

Brightness & Saturation Gradients


These gradients show how the YIQ color 87.1890, 102.8280, 63.7880 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 87.1890, 102.8280, 63.7880 by changing the saturation by 10% instead.


 87.1890, 102.8280,
63.7880


 87.1890, 102.8280,
63.7880


255.0000, -0.0000,
-0.0000


 64.4330, 96.0890,
59.2650


 147.5310, 83.5290,
44.5930


 52.7700, 84.3540,
46.1620


 168.1050, 66.9330,
36.9890


 41.0360, 71.3810,
33.4690


 188.7930, 50.0160,
29.6960

 29.8290, 58.3620,
21.6100

 209.4810, 33.0990,
22.4030

 21.2720, 40.7570,
15.7730

 229.8100, 15.8150,
16.2550

 11.1770, 21.7310,
8.1550

 249.7170, 2.4750,

 0.0000, 0.0000,

4.7070

0.0000

■ 87.1890, 102.8280,
63.7880

■ 87.1890, 102.8280,
63.7880

■ 75.2550, 111.6300,
69.4700

■ 101.9270, 91.6420,
57.2580

■ 117.1380, 80.5020,
49.8940

■ 131.8760, 69.3160,
43.3640

■ 147.0870, 58.1760,
36.0000

■ 162.4120, 46.7150,
28.9470

■ 177.0360, 35.8500,
22.1060

■ 192.3610, 24.3890,
15.0530

■ 206.9850, 13.5240,
8.2120

■ 222.3100, 2.0630,
1.1590

Harmonies

Analogous

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



96.1800, 72.6570, 76.4410



87.1890, 102.8280, 63.7880



102.2200, 99.2610, 12.7730

Triad

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



87.1890, 102.8280, 63.7880



79.2450, -37.1250, -70.6050



104.5990, -114.0280, 7.0600

Complementary

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



87.1890, 102.8280, 63.7880



155.8110, -102.8280, -63.7880

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.



106.0060, -105.5890, -8.2210



87.1890, 102.8280, 63.7880



91.6420, -65.1430, -47.4070

Square

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



87.1890, 102.8280, 63.7880



103.8950, 29.3510, -41.8570



100.4540, -87.2000, -27.6160



92.6310, -107.8860, 16.8980

Rectangle

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



87.1890, 102.8280, 63.7880



107.5250, 81.3840, -10.1680



100.4540, -87.2000, -27.6160



106.0350, -112.5600, 2.4800

Sweetspot

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



87.1890, 102.8280, 63.7880



207.7370, 35.2540, 21.8940



84.0560, 18.1850, 94.4810



98.7520, 21.7300, 13.6820



0.0000, 0.0000, 0.0000



128.0000, -0.0000, -0.0000

Same Dimension

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



87.1890, 102.8280, 63.7880



85.2510, 126.6210, 78.6290



102.1990, 112.9220, 24.0100



104.6310, 5.5930, 3.2650



58.7800, 87.5620, 54.1060



16.0620, 23.7930, 14.8410

Inverse Universe

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



87.1890, 102.8280, 63.7880



85.2510, 126.6210, 78.6290



140.8010, -112.9220, -24.0100



104.6310, 5.5930, 3.2650



58.7800, 87.5620, 54.1060



16.0620, 23.7930, 14.8410

Previews

White Background



This preview shows how the YIQ color 87.1890, 102.8280, 63.7880 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 × Fail

Black Background



This preview shows how the YIQ color 87.1890, 102.8280, 63.7880 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

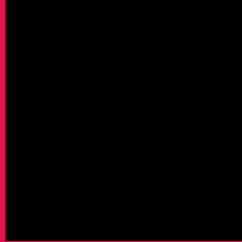
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

YIQ 87.1890, 102.8280, 63.7880

Background



This preview shows how black text looks on a background with the YIQ color 87.1890, 102.8280, 63.7880.



This preview shows how white text looks on a background with the YIQ color 87.1890, 102.8280,

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

87.1890, 102.8280, 63.7880

Protanopia

116.0540, -0.0920, 1.6680

Deuteranopia

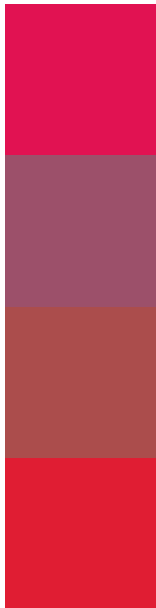
115.2250, 29.8030, -5.9810



Tritanopia

91.9840, 112.6900, 39.2340

Trichromacy



Original Color

87.1890, 102.8280, 63.7880

Protanomaly

105.6880, 36.9500, 24.1980

Deuteranomaly

104.9920, 56.3450, 19.6170

Tritanomaly

89.8130, 109.1580, 48.1820

Monochromacy



Original Color

87.1890, 102.8280, 63.7880

Achromatopsia

87.0000, -0.0000, -0.0000

Achromatomaly

87.0470, 37.3170, 23.0530

CSS Examples

Text

The CSS property to change the color of the text to YIQ 87.1890, 102.8280, 63.7880 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(225, 18, 82)` looks like.

```
.text, #text, p{  
    color:rgb(225, 18, 82)  
}
```

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(225, 18, 82) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(225, 18, 82) }
```

Border

The CSS property to change the border of an element to YIQ 87.1890, 102.8280, 63.7880 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(225, 18, 82) }
```


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

```
.border{ border-color:rgb(225, 18, 82) }
```

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

Here you see how a box with a 4 pixel rgb(225, 18, 82) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(225, 18, 82); -webkit-box-  
shadow:4px 4px 4px 4px rgb(225, 18, 82);  
box-shadow:4px 4px 4px 4px rgb(225, 18,  
82) }
```

Background

The CSS property to change the background color of an element to YIQ 87.1890, 102.8280, 63.7880 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(225, 18, 82) }
```

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

```
.background{ background-color: rgb(225, 18,  
82) }
```

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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