

Converting Colors

YIQ(87.0250, 106.5860, 72.7780)

Have a look what the booklet for
YIQ(87.0250, 106.5860, 72.7780)
contains.

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Color

**YIQ(87.0250, 106.5860,
72.7780)**

Conversions

Conversions Part 1

Format	Color
Hex	EA0B5D
RGB	234, 11, 93
RGB Percent	92%, 4%, 36%
CMY	0.0818, 0.9570, 0.6349
CMYK	0.00, 0.95, 0.60, 0.08
HSL	338°, 91%, 48%
HSV	338°, 95%, 92%
XYZ	36.0789, 18.5467, 12.0555
YIQ	87.0250, 106.5860, 72.7780

Conversions

Conversions Part 2

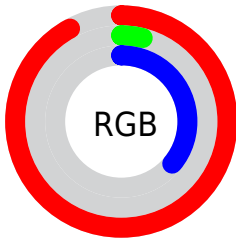
Format	Color
R_{YB}	234, 11, 93
Decimal	15338333
CIE Lab	50.15, 76.89, 18.02
CIE LCh	50, 78.970, 13.190
Yxy	18.5467, 0.5411, 0.2781
Android (android.graphics.Color)	4293528413 (0xFFEA0B5D)
YUV	87.0250, 2.9457, 128.8971
Hunter-Lab	43.0659, 74.1749, 13.5489

Details

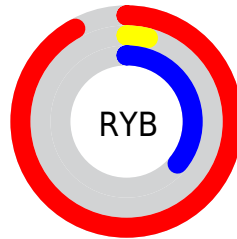
The YIQ color **87.0250, 106.5860, 72.7780** is a dark color, and the websafe version is hex **FF0066**. The color can be described as dark washed red. A complement of this color would be **157.9750, -106.5860, -72.7780**, and the grayscale version is **87.0000, -0.0000, -0.0000**.

A 20% lighter version of the original color is **148.8990, 79.6770, 48.3250**, and **56.3020, 85.9120, 50.9680** is the 20% darker color. If you saturate the color by 10%, you get **79.7700, 111.8580, 76.3540**, and if you desaturate by 10%, it is **102.2360, 95.4460, 65.4140**.

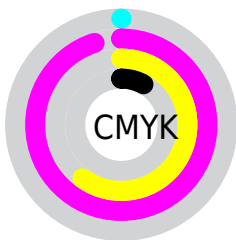
Distribution



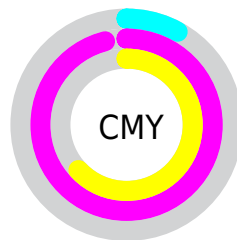
- Red (92%)
- Green (4%)
- Blue (36%)



- Red (92%)
- Yellow (4%)
- Blue (36%)



- Cyan (0%)
- Magenta (95%)
- Yellow (60%)
- Black (8%)





- Cyan (8%)
- Magenta (96%)
- Yellow (63%)

Brightness & Saturation Gradients


These gradients show how the YIQ color 87.0250, 106.5860, 72.7780 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 87.0250, 106.5860, 72.7780 by changing the saturation by 10% instead.


 87.0250, 106.5860,
72.7780


 87.0250, 106.5860,
72.7780


255.0000, -0.0000,
-0.0000

 68.3780, 97.9220,
64.5940


 148.8990, 79.6770,
48.3250


 56.3020, 85.9120,
50.9680


 170.0600, 62.8060,
40.1980


 44.7530, 73.8560,
38.1760


 190.7480, 45.8890,
32.9050

 32.5200, 63.7260,
23.5180

 211.5500, 28.6510,
25.9230

 24.0770, 45.8000,
17.9920

 232.4660, 11.0920,
19.2520

 13.9820, 26.7740,
10.3740

 250.8910, 1.9250,

 0.0000, 0.0000,

3.6610

0.0000

■ 87.0250, 106.5860,
72.7780

■ 87.0250, 106.5860,
72.7780

■ 79.7700, 111.8580,
76.3540

■ 102.2360, 95.4460,
65.4140

■ 118.0340, 84.0310,
57.5270

■ 133.1310, 73.2120,
49.8520

■ 148.9290, 61.7970,
41.9650

■ 164.1400, 50.6570,
34.6010

■ 179.3510, 39.5170,
27.2370

■ 195.1490, 28.1020,
19.3500

■ 210.2460, 17.2830,
11.6750

■ 226.0440, 5.8680,
3.7880

Harmonies

Analogous

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



103.9670, 68.9430, 77.6710



87.0250, 106.5860, 72.7780



106.0020, 103.1110, 20.0950

Triad

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



87.0250, 106.5860, 72.7780



87.5730, -26.3050, -68.4570



109.3920, -117.8790, 5.2650

Complementary

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



87.0250, 106.5860, 72.7780



157.9750, -106.5860, -72.7780

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.



109.7560, -107.8810, -10.7370



87.0250, 106.5860, 72.7780



94.0070, -64.9130, -51.5770

Square

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



87.0250, 106.5860, 72.7780



109.2440, 35.6780, -40.8820



103.7480, -88.2080, -31.3760



97.9940, -113.3420, 16.6580

Rectangle

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



87.0250, 106.5860, 72.7780



110.5260, 88.8110, -7.1010



103.7480, -88.2080, -31.3760



110.7140, -116.0900, 0.3740

Sweetspot

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



87.0250, 106.5860, 72.7780



206.2040, 35.4370, 24.0850



77.6840, 10.6650, 98.6090



98.2790, 21.6840, 14.5160



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.



87.0250, 106.5860, 72.7780



86.9610, 121.8060, 83.2940



92.9390, 125.7580, 33.6780



109.7450, 5.2720, 3.5760



61.7570, 86.3690, 59.2090



18.4260, 25.7640, 17.6680

Inverse Universe

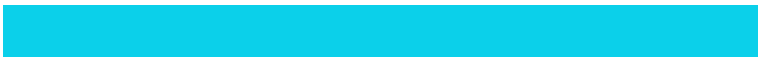
The Inverse Universe completely reimagines the original color for something new.



87.0250, 106.5860, 72.7780



86.9610, 121.8060, 83.2940



152.0610, -125.7580, -33.6780



109.7450, 5.2720, 3.5760



61.7570, 86.3690, 59.2090



18.4260, 25.7640, 17.6680

Previews

White Background



This preview shows how the YIQ color 87.0250, 106.5860, 72.7780 looks on a white 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

Black Background



This preview shows how the YIQ color 87.0250, 106.5860, 72.7780 looks on a black 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

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

YIQ 87.0250, 106.5860, 72.7780

Background



This preview shows how black text looks on a background with the YIQ color 87.0250, 106.5860, 72.7780.

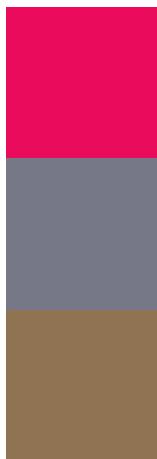


This preview shows how white text looks on a background with the YIQ color 87.0250, 106.5860,

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

87.0250, 106.5860, 72.7780

Protanopia

121.1120, -6.0070, 4.2410

Deuteranopia

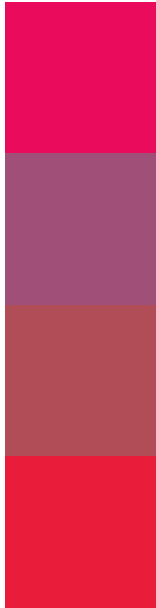
120.0230, 27.5560, -3.8040



Tritanopia

95.7780, 116.2660, 40.5060

Trichromacy



Original Color

87.0250, 106.5860, 72.7780

Protanomaly

108.4800, 34.8400, 29.4000

Deuteranomaly

108.0400, 56.3900, 24.3100

Tritanomaly

92.6010, 112.8710, 52.4790

Monochromacy



Original Color

87.0250, 106.5860, 72.7780

Achromatopsia

87.0000, -0.0000, -0.0000

Achromatomaly

86.9380, 39.2420, 26.7140

CSS Examples

Text

The CSS property to change the color of the text to YIQ 87.0250, 106.5860, 72.7780 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(234, 11, 93)` looks like.

```
.text, #text, p{  
    color:rgb(234, 11, 93)  
}
```

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(234, 11, 93) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(234, 11, 93) }
```

Border

The CSS property to change the border of an element to YIQ 87.0250, 106.5860, 72.7780 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(234, 11, 93) }
```


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

```
.border{ border-color:rgb(234, 11, 93) }
```

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

Here you see how a box with a 4 pixel `rgb(234, 11, 93)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(234, 11, 93); -webkit-box-  
shadow:4px 4px 4px 4px rgb(234, 11, 93);  
box-shadow:4px 4px 4px 4px rgb(234, 11,  
93) }
```

Background

The CSS property to change the background color of an element to YIQ 87.0250, 106.5860, 72.7780 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(234, 11, 93) }
```

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

```
.background{ background-color: rgb(234, 11,  
93) }
```

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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