

Converting Colors

YIQ(87.7710, 118.1440, 50.5280)

Have a look what the booklet for
YIQ(87.7710, 118.1440, 50.5280)
contains.

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Color

**YIQ(87.7710, 118.1440,
50.5280)**

Conversions

Conversions Part 1

Format	Color
Hex	E8172B
RGB	232, 23, 43
RGB Percent	91%, 9%, 17%
CMY	0.0897, 0.9100, 0.8309
CMYK	0.00, 0.90, 0.81, 0.09
HSL	354°, 82%, 50%
HSV	354°, 90%, 91%
XYZ	34.0638, 17.9621, 3.9683
YIQ	87.7710, 118.1440, 50.5280

Conversions

Conversions Part 2

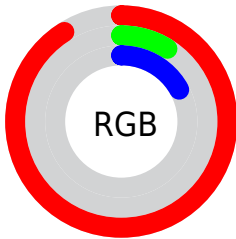
Format	Color
R _Y B	232, 23, 43
Decimal	15210283
CIE Lab	49.45, 73.05, 46.54
CIE LCh	49, 86.609, 32.500
Yxy	17.9621, 0.6083, 0.3208
Android (android.graphics.Color)	4293400363 (0xFFE8172B)
YUV	87.7710, -22.0721, 126.4888
Hunter-Lab	42.3818, 69.2988, 24.1158

Details

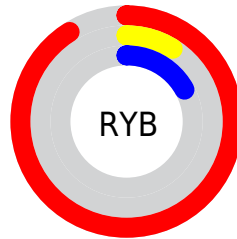
The YIQ color **87.7710, 118.1440, 50.5280** is a dark color, and the websafe version is hex **FF3333**. The color can be described as dark washed red. A complement of this color would be **167.2290, -118.1440, -50.5280**, and the grayscale version is **88.0000, -0.0000, -0.0000**.

A 20% lighter version of the original color is **144.0310, 96.1400, 30.7960**, and **49.9330, 99.5320, 35.4040** is the 20% darker color. If you saturate the color by 10%, you get **71.8760, 131.2100, 56.0260**, and if you desaturate by 10%, it is **103.6660, 105.0780, 45.0300**.

Distribution



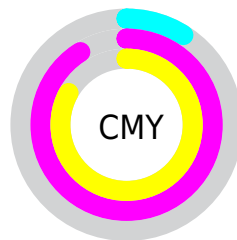
- Red (91%)
- Green (9%)
- Blue (17%)



- Red (91%)
- Yellow (9%)
- Blue (17%)



- Cyan (0%)
- Magenta (90%)
- Yellow (81%)
- Black (9%)



- Cyan (9%)
- Magenta (91%)
- Yellow (83%)

Brightness & Saturation Gradients

These gradients show how the YIQ color 87.7710, 118.1440, 50.5280 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 87.7710, 118.1440, 50.5280 by changing the saturation by 10% instead.

■ 87.7710, 118.1440,
50.5280

■ 87.7710, 118.1440,
50.5280

■ 255.0000, -0.0000,
-0.0000

■ 61.8950, 111.8630,
48.7190

■ 144.0310, 96.1400,
30.7960

■ 49.9330, 99.5320,
35.4040

■ 164.4910, 79.8650,
22.8810

■ 40.0660, 79.8640,
28.4080

■ 185.0650, 63.2690,
15.2770

■ 30.6120, 60.4710,
21.9350

■ 205.6390, 46.6730,
7.6730

■ 22.2830, 42.2240,
16.7200

■ 225.8540, 29.7100,
1.2140

■ 12.3730, 24.1150,
9.0030

■ 247.2430, 12.1970,

■ 0.0000, 0.0000,

-6.2910

0.0000

254.5440, 1.2840,
-1.2440

■ 87.7710, 118.1440,
50.5280

■ 87.7710, 118.1440,
50.5280

■ 71.8760, 131.2100,
56.0260

■ 103.6660,
105.0780, 45.0300

■ 119.5610, 92.0120,
39.5320

■ 136.0430, 78.6710,
33.5110

■ 151.9380, 65.6050,
28.0130

■ 167.8330, 52.5390,
22.5150

■ 183.7280, 39.4730,
17.0170

■ 199.6230, 26.4070,
11.5190

■ 216.1050, 13.0660,
5.4980

■ 232.0000, -0.0000,
0.0000

Harmonies

Analogous

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



84.8700, 106.1250, 86.6450



87.7710, 118.1440, 50.5280



108.2000, 92.8450, -3.1150

Triad

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



87.7710, 118.1440, 50.5280



88.6150, -52.4860, -62.0380



103.0320, -116.5050, 13.4070

Complementary

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



87.7710, 118.1440, 50.5280



167.2290, -118.1440, -50.5280

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.



111.7400, -118.9790, 3.1730



87.7710, 118.1440, 50.5280



100.1970, -79.5870, -38.9390

Square

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



87.7710, 118.1440, 50.5280



96.5870, -2.5570, -58.3090



108.6330, -103.3410, -15.9250



116.4820, -37.4220, 50.4660

Rectangle

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



87.7710, 118.1440, 50.5280



110.9370, 65.0640, -22.7760



108.6330, -103.3410, -15.9250



107.1410, -118.4300, 9.7460

Sweetspot

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



87.7710, 118.1440, 50.5280



207.4290, 38.8770, 16.8050



103.0380, 44.9590, 104.8550



99.7150, 23.1520, 9.9360



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.



87.7710, 118.1440, 50.5280



79.0950, 143.9550, 61.8350



134.7990, 101.4640, 0.3760



109.4030, 6.2350, 2.6430



56.0570, 102.4190, 43.6590



16.7160, 30.5790, 13.0030

Inverse Universe

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



87.7710, 118.1440, 50.5280



79.0950, 143.9550, 61.8350



120.2010, -101.4640, -0.3760



109.4030, 6.2350, 2.6430



56.0570, 102.4190, 43.6590



16.7160, 30.5790, 13.0030

Previews

White Background



This preview shows how the YIQ color 87.7710, 118.1440, 50.5280 looks on a white background.

Color Contrast Check

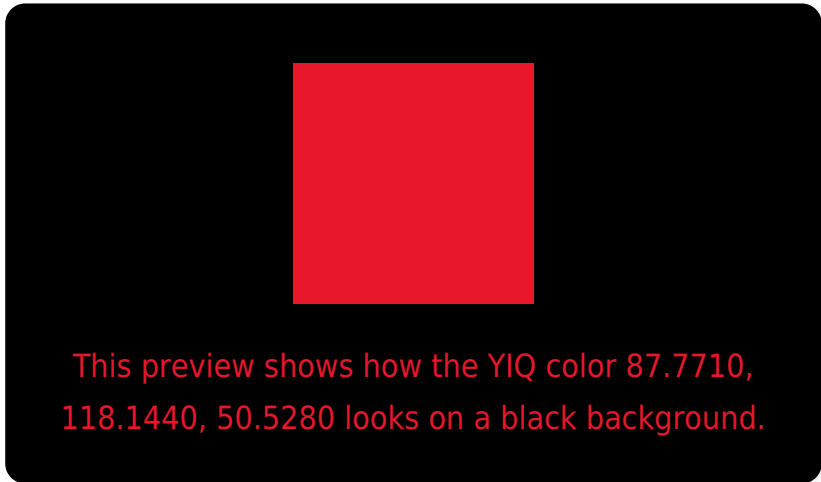
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

Black Background



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 87.7710, 118.1440, 50.5280

Background



This preview shows how black text looks on a background with the YIQ color 87.7710, 118.1440, 50.5280.



This preview shows how white text looks on a background with the YIQ color 87.7710, 118.1440,

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

87.7710, 118.1440, 50.5280

Protanopia

116.3610, 23.2480, -13.8400

Deuteranopia

113.0310, 50.3000, -19.5240



Tritanopia

87.6110, 124.1060, 41.5940

Trichromacy



Original Color

87.7710, 118.1440, 50.5280

Protanomaly

105.8530, 57.8140, 9.5100

Deuteranomaly

104.0150, 74.7330, 5.7490

Tritanomaly

87.9360, 121.8130, 44.6050

Monochromacy



Original Color

87.7710, 118.1440, 50.5280

Achromatopsia

88.0000, -0.0000, -0.0000

Achromatomaly

87.6360, 42.7280, 18.6000

CSS Examples

Text

The CSS property to change the color of the text to YIQ 87.7710, 118.1440, 50.5280 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(232, 23, 43)` looks like.

```
.text, #text, p{  
    color:rgb(232, 23, 43)  
}
```

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(232, 23, 43) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(232, 23, 43) }
```

Border

The CSS property to change the border of an element to YIQ 87.7710, 118.1440, 50.5280 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(232, 23, 43) }
```


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

```
.border{ border-color:rgb(232, 23, 43) }
```

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

Here you see how a box with a 4 pixel `rgb(232, 23, 43)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(232, 23, 43); -webkit-box-  
shadow:4px 4px 4px 4px rgb(232, 23, 43);  
box-shadow:4px 4px 4px 4px rgb(232, 23,  
43) }
```

Background

The CSS property to change the background color of an element to YIQ 87.7710, 118.1440, 50.5280 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(232, 23, 43) }
```

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

```
.background{ background-color: rgb(232, 23,  
43) }
```

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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