

Converting Colors

YIQ(78.7780, 45.2040, 17.7800)

Have a look what the booklet for
YIQ(78.7780, 45.2040, 17.7800)
contains.

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Color

**YIQ(78.7780, 45.2040,
17.7800)**

Conversions

Conversions Part 1

Format	Color
Hex	85373B
RGB	133, 55, 59
RGB Percent	52%, 22%, 23%
CMY	0.4782, 0.7844, 0.7684
CMYK	0.00, 0.59, 0.56, 0.48
HSL	357°, 42%, 37%
HSV	357°, 59%, 52%
XYZ	11.8357, 8.0359, 5.0711
YIQ	78.7780, 45.2040, 17.7800

Conversions

Conversions Part 2

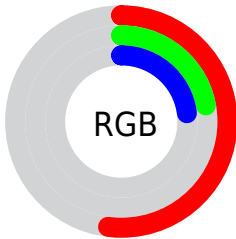
Format	Color
RYB	133, 55, 59
Decimal	8730427
CIELab	34.06, 33.92, 14.35
CIELCh	34, 36.827, 22.931
Yxy	8.0359, 0.4745, 0.3222
Android (android.graphics.Color)	4286920507 (0xFF85373B)
YUV	78.7780, -9.7506, 47.5527
Hunter-Lab	28.3477, 24.9182, 9.2371

Details

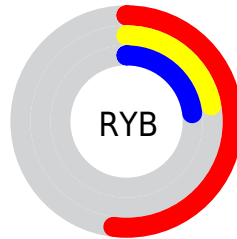
The YIQ color **78.7780, 45.2040, 17.7800** is a dark color, and the websafe version is hex **993333**. A complement of this color would be **109.2220, -45.2040, -17.7800**, and the grayscale version is **79.0000, -0.0000, 0.0000**.

A 20% lighter version of the original color is **130.5290, 50.3390, 18.3310**, and **26.7330, 41.0770, 20.9890** is the 20% darker color. If you saturate the color by 10%, you get **69.6650, 52.9520, 20.5360**, and if you desaturate by 10%, it is **87.8910, 37.4560, 15.0240**.

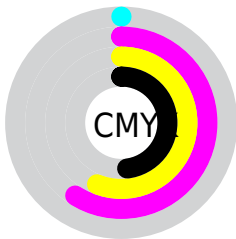
Distribution



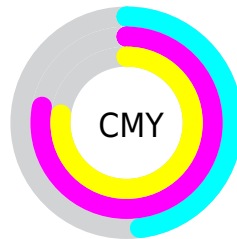
- Red (52%)
- Green (22%)
- Blue (23%)



- Red (52%)
- Yellow (22%)
- Blue (23%)



- Cyan (0%)
- Magenta (59%)
- Yellow (56%)
- Black (48%)



- Cyan (48%)
- Magenta (78%)
- Yellow (77%)

Brightness & Saturation Gradients

These gradients show how the YIQ color 78.7780, 45.2040, 17.7800 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 78.7780, 45.2040, 17.7800 by changing the saturation by 10% instead.

■ 78.7780, 45.2040,
17.7800

■ 78.7780, 45.2040,
17.7800

255.0000, -0.0000,
-0.0000

■ 53.5220, 43.0490,
18.2890

■ 130.5290, 50.3390,
18.3310

■ 26.7330, 41.0770,
20.9890

■ 157.3120, 52.4480,
18.6560

■ 15.8470, 31.5880,
11.2360

■ 184.5080, 54.8320,
19.5040

■ 5.6810, 11.3240,
4.0280

■ 205.8160, 42.0410,
14.5290

■ 0.0000, 0.0000,
0.0000

■ 225.4440, 25.3530,
8.5930

■ 245.6590, 8.3900,

2.1340

■ 78.7780, 45.2040,
17.7800

■ 78.7780, 45.2040,
17.7800

■ 69.6650, 52.9520,
20.5360

■ 87.8910, 37.4560,
15.0240

■ 60.0790, 60.6540,
24.1260

■ 97.4770, 29.7540,
11.4340

■ 50.9660, 68.4020,
26.8820

■ 106.5900, 22.0060,
8.6780

■ 41.9670, 75.8290,
29.9490

■ 115.5890, 14.5790,
5.6110

■ 40.5650, 77.0210,
30.3730

■ 124.7020, 6.8310,
2.8550

■ 134.4020, -1.1920,
-0.4240

■ 143.4010, -8.6190,
-3.4910

■ 152.5140,
-16.3670, -6.2470

■ 162.2140,
-24.3900, -9.5260

Harmonies

Analogous

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



80.6000, 34.3820, 26.6860



78.7780, 45.2040, 17.7800



78.5090, 43.9230, 2.4430

Triad

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



78.7780, 45.2040, 17.7800



69.3820, -16.7760, -26.3760



65.6270, -67.6730, -1.5370

Complementary

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



78.7780, 45.2040, 17.7800



109.2220, -45.2040, -17.7800

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.



68.3680, -65.7460, -8.9300



78.7780, 45.2040, 17.7800



63.3860, -48.9620, -26.7700

Square

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



78.7780, 45.2040, 17.7800



74.4150, 13.9880, -22.2360



66.8060, -58.5920, -17.4400



79.9320, -22.5150, 17.0770

Rectangle

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



78.7780, 45.2040, 17.7800



77.8360, 38.1480, -8.5400



66.8060, -58.5920, -17.4400



67.1600, -67.8560, -3.7280

Sweetspot

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



78.7780, 45.2040, 17.7800



151.4970, 17.8340, 7.1940



85.7190, 18.4700, 39.7340



73.7950, 11.0030, 4.3390



214.0000, -0.0000, 0.0000



87.0000, -0.0000, -0.0000

Same Dimension

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



78.7780, 45.2040, 17.7800



88.8630, 70.1900, 27.5180



98.2800, 37.1380, -1.2460



61.7940, 3.5760, 1.2720



39.6680, 75.2330, 29.7370



0.8970, 1.7880, 0.6360

Inverse Universe

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



78.7780, 45.2040, 17.7800



88.8630, 70.1900, 27.5180



89.7200, -37.1380, 1.2460



61.7940, 3.5760, 1.2720



39.6680, 75.2330, 29.7370



0.8970, 1.7880, 0.6360

Previews

White Background



This preview shows how the YIQ color 78.7780, 45.2040, 17.7800 looks on a white background.

Color Contrast Check

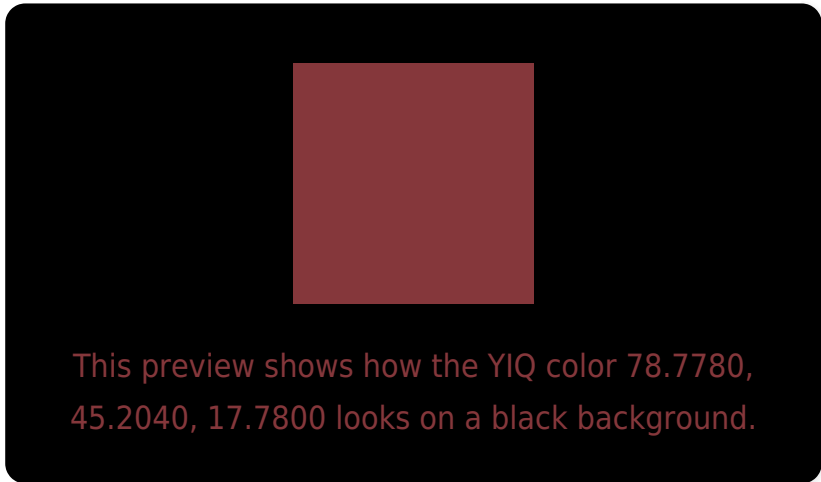
Large Text (above 18pt) WCAG AA ✓ Pass

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 78.7780, 45.2040, 17.7800

Background



This preview shows how black text looks on a background with the YIQ color 78.7780, 45.2040, 17.7800.



This preview shows how white text looks on a background with the YIQ color 78.7780, 45.2040,

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

78.7780, 45.2040, 17.7800

Protanopia

81.0560, 5.5940, -2.2620

Deuteranopia

80.4720, 18.9820, -2.6020



Tritanopia

78.7780, 45.2040, 17.7800

Trichromacy



Original Color

78.7780, 45.2040, 17.7800

Protanomaly

80.4000, 19.4850, 4.8050

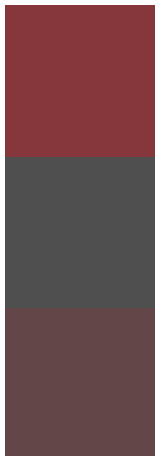
Deuteranomaly

79.7770, 28.6090, 4.6490

Tritanomaly

78.7780, 45.2040, 17.7800

Monochromacy



Original Color

78.7780, 45.2040, 17.7800

Achromatopsia

79.0000, -0.0000, 0.0000

Achromatomaly

78.8990, 16.6420, 6.7700

CSS Examples

Text

The CSS property to change the color of the text to YIQ 78.7780, 45.2040, 17.7800 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(133, 55, 59)` looks like.

```
.text, #text, p{  
    color:rgb(133, 55, 59)  
}
```

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(133, 55, 59) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(133, 55, 59) }
```

Border

The CSS property to change the border of an element to YIQ 78.7780, 45.2040, 17.7800 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(133, 55, 59) }
```


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

```
.border{ border-color:rgb(133, 55, 59) }
```

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

Here you see how a box with a 4 pixel rgb(133, 55, 59) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(133, 55, 59); -webkit-box-  
shadow:4px 4px 4px 4px rgb(133, 55, 59);  
box-shadow:4px 4px 4px 4px rgb(133, 55,  
59) }
```

Background

The CSS property to change the background color of an element to YIQ 78.7780, 45.2040, 17.7800 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(133, 55, 59) }
```

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

```
.background{ background-color: rgb(133, 55,  
59) }
```

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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