

Converting Colors

YIQ(77.9950, 78.6260, 28.8180)

Have a look what the booklet for
YIQ(77.9950, 78.6260, 28.8180)
contains.

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Color

**YIQ(77.9950, 78.6260,
28.8180)**

Conversions

Conversions Part 1

Format	Color
Hex	AB2628
RGB	171, 38, 40
RGB Percent	67%, 15%, 16%
CMY	0.3291, 0.8512, 0.8428
CMYK	0.00, 0.78, 0.77, 0.33
HSL	359°, 64%, 41%
HSV	359°, 78%, 67%
XYZ	17.8879, 10.2034, 3.0412
YIQ	77.9950, 78.6260, 28.8180

Conversions

Conversions Part 2

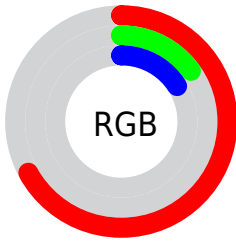
Format	Color
R_{YB}	171, 38, 40
Decimal	11216424
CIE _{Lab}	38.21, 52.89, 32.78
CIE _{LCh}	38, 62.224, 31.785
Yxy	10.2034, 0.5746, 0.3277
Android (android.graphics.Color)	4289406504 (0xFFAB2628)
YUV	77.9950, -18.7315, 81.5654
Hunter-Lab	31.9428, 44.0598, 16.7151

Details

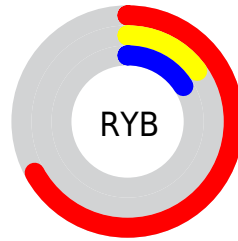
The YIQ color **77.9950, 78.6260, 28.8180** is a dark color, and the websafe version is hex **CC3333**. A complement of this color would be **131.0050, -78.6260, -28.8180**, and the grayscale version is **78.0000, -0.0000, -0.0000**.

A 20% lighter version of the original color is **135.2360, 85.1370, 26.4570**, and **33.1890, 66.1560, 23.5320** is the 20% darker color. If you saturate the color by 10%, you get **66.0780, 88.7580, 32.4220**, and if you desaturate by 10%, it is **89.9120, 68.4940, 25.2140**.

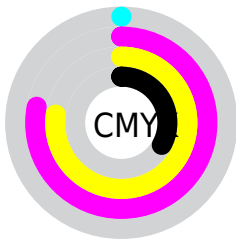
Distribution



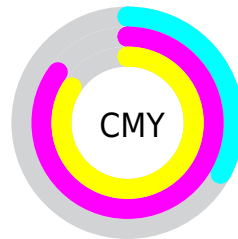
- Red (67%)
- Green (15%)
- Blue (16%)



- Red (67%)
- Yellow (15%)
- Blue (16%)



- Cyan (0%)
- Magenta (78%)
- Yellow (77%)
- Black (33%)



- Cyan (33%)
- Magenta (85%)
- Yellow (84%)

Brightness & Saturation Gradients

These gradients show how the YIQ color 77.9950, 78.6260, 28.8180 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 77.9950, 78.6260, 28.8180 by changing the saturation by 10% instead.

■ 77.9950, 78.6260,
28.8180

■ 77.9950, 78.6260,
28.8180

255.0000, -0.0000,
-0.0000

■ 44.3250, 77.9370,
35.8010

■ 135.2360, 85.1370,
26.4570

■ 33.1890, 66.1560,
23.5320

■ 160.3990, 83.1200,
24.4640

■ 24.2190, 48.2760,
17.1720

■ 179.7990, 67.0740,
17.9060

■ 16.3740, 31.5420,
12.0700

■ 199.1990, 51.0280,
11.3480

■ 1.4950, 2.9800,
1.0600

■ 219.3000, 34.3860,
4.5780

■ 0.0000, 0.0000,
0.0000

■ 239.5150, 17.4230,

-1.8810

253.9740, 2.8890,
-2.7990

77.9950, 78.6260,
28.8180

77.9950, 78.6260,
28.8180

66.0780, 88.7580,
32.4220

89.9120, 68.4940,
25.2140

54.1610, 98.8900,
36.0260

101.8290, 58.3620,
21.6100

51.4710, 100.9530,
37.1850

113.7460, 48.2300,
18.0060

125.5490, 38.4190,
14.0910

137.4660, 28.2870,
10.4870

■ 149.9700, 17.8800,
6.3600

■ 161.8870, 7.7480,
2.7560

■ 173.8040, -2.3840,
-0.8480

■ 185.7210,
-12.5160, -4.4520

Harmonies

Analogous

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



71.8630, 71.3310, 56.4110



77.9950, 78.6260, 28.8180



83.5700, 68.3160, -4.6120

Triad

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



77.9950, 78.6260, 28.8180



67.7280, -41.8980, -44.6660



78.2400, -88.0320, 9.5040

Complementary

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



77.9950, 78.6260, 28.8180



131.0050, -78.6260, -28.8180

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.



83.2150, -86.8840, -0.2920



77.9950, 78.6260, 28.8180



75.6450, -60.0570, -29.4410

Square

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



77.9950, 78.6260, 28.8180



76.3190, 4.7300, -41.6860



81.3450, -76.1070, -13.8910



90.2160, -25.5900, 34.2660

Rectangle

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



77.9950, 78.6260, 28.8180



85.1990, 49.8870, -17.5450



81.3450, -76.1070, -13.8910



81.0610, -89.0860, 6.5780

Sweetspot

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



77.9950, 78.6260, 28.8180



186.3630, 30.0750, 11.1230



92.3310, 35.3830, 69.1350



90.2690, 18.4760, 6.5720



240.0000, -0.0000, -0.0000



112.0000, -0.0000, 0.0000

Same Dimension

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



77.9950, 78.6260, 28.8180



77.9360, 121.8130, 44.6050



115.3350, 61.6680, -5.2760



80.6910, 5.3640, 1.9080



45.0780, 88.7580, 32.4220



6.8770, 13.7080, 4.8760

Inverse Universe

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



77.9950, 78.6260, 28.8180



77.9360, 121.8130, 44.6050



93.6650, -61.6680, 5.2760



80.6910, 5.3640, 1.9080



45.0780, 88.7580, 32.4220



6.8770, 13.7080, 4.8760

Previews

White Background



This preview shows how the YIQ color 77.9950, 78.6260, 28.8180 looks on a white background.

Color Contrast Check

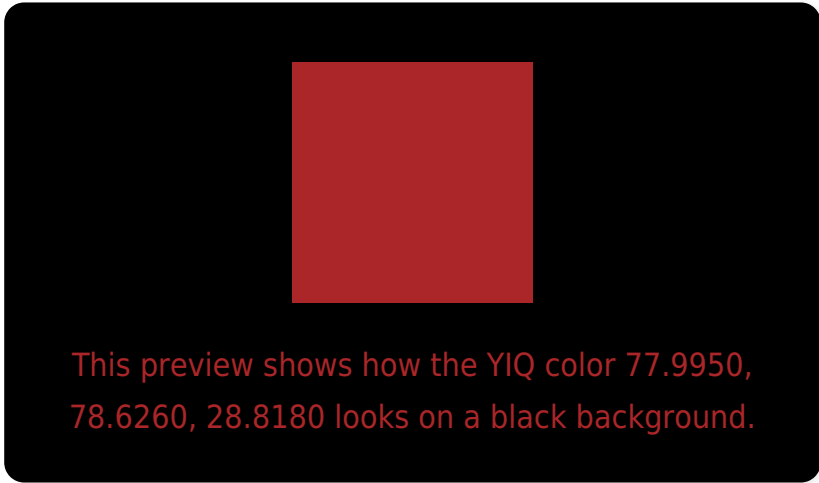
Large Text (above 18pt) WCAG AA ✓ Pass

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 × 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 77.9950, 78.6260, 28.8180

Background



This preview shows how black text looks on a background with the YIQ color 77.9950, 78.6260, 28.8180.



This preview shows how white text looks on a background with the YIQ color 77.9950, 78.6260,

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

77.9950, 78.6260, 28.8180

Protanopia

89.7010, 16.5990, -8.9770

Deuteranopia

88.6890, 34.0680, -11.6920



Tritanopia

77.8810, 78.9470, 28.5070

Trichromacy



Original Color

77.9950, 78.6260, 28.8180

Protanomaly

85.6380, 39.2460, 4.6060

Deuteranomaly

84.7440, 50.5710, 3.1070

Tritanomaly

77.8810, 78.9470, 28.5070

Monochromacy



Original Color

77.9950, 78.6260, 28.8180

Achromatopsia

78.0000, -0.0000, -0.0000

Achromatomaly

77.7650, 28.8830, 10.6990

CSS Examples

Text

The CSS property to change the color of the text to YIQ 77.9950, 78.6260, 28.8180 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(171, 38, 40)` looks like.

```
.text, #text, p{  
    color:rgb(171, 38, 40)  
}
```

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(171, 38, 40) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(171, 38, 40) }
```

Border

The CSS property to change the border of an element to YIQ 77.9950, 78.6260, 28.8180 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(171, 38, 40) }
```


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

```
.border{ border-color:rgb(171, 38, 40) }
```

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

Here you see how a box with a 4 pixel rgb(171, 38, 40) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(171, 38, 40); -webkit-box-  
shadow:4px 4px 4px 4px rgb(171, 38, 40);  
box-shadow:4px 4px 4px 4px rgb(171, 38,  
40) }
```

Background

The CSS property to change the background color of an element to YIQ 77.9950, 78.6260, 28.8180 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(171, 38, 40) }
```

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

```
.background{ background-color: rgb(171, 38,  
40) }
```

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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