

Converting Colors

YIQ(69.8700, 77.4800, 27.5600)

Have a look what the booklet for
YIQ(69.8700, 77.4800, 27.5600)
contains.

YIQ(69.8700, 77.4800, 27.5600)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**YIQ(69.8700, 77.4800,
27.5600)**

Conversions

Conversions Part 1

Format	Color
Hex	A11F1F
RGB	161, 31, 31
RGB Percent	63%, 12%, 12%
CMY	0.3683, 0.8786, 0.8781
CMYK	0.00, 0.81, 0.81, 0.37
HSL	360°, 68%, 38%
HSV	360°, 81%, 63%
XYZ	15.4508, 8.6617, 2.1593
YIQ	69.8700, 77.4800, 27.5600

Conversions

Conversions Part 2

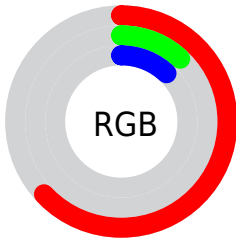
Format	Color
R_{YB}	161, 31, 31
Decimal	10559263
CIE Lab	35.32, 51.65, 34.36
CIE LCh	35, 62.036, 33.628
Yxy	8.6617, 0.5881, 0.3297
Android (android.graphics.Color)	4288749343 (0xFFA11F1F)
YUV	69.8700, -19.1629, 79.9210
Hunter-Lab	29.4308, 42.2061, 16.2516

Details

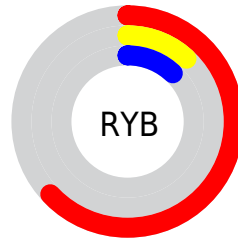
The YIQ color **69.8700, 77.4800, 27.5600** is a dark color, and the websafe version is hex **990000**. A complement of this color would be **122.1300, -77.4800, -27.5600**, and the grayscale version is **70.0000, 0.0000, 0.0000**.

A 20% lighter version of the original color is **127.5840, 84.0370, 24.3650**, and **30.1990, 60.1960, 21.4120** is the 20% darker color. If you saturate the color by 10%, you get **58.6540, 87.0160, 30.9520**, and if you desaturate by 10%, it is **81.0860, 67.9440, 24.1680**.

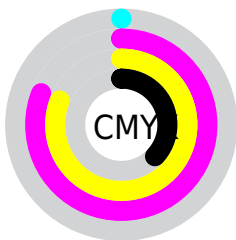
Distribution



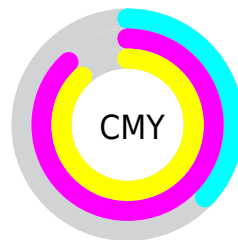
- Red (63%)
- Green (12%)
- Blue (12%)



- Red (63%)
- Yellow (12%)
- Blue (12%)



- Cyan (0%)
- Magenta (81%)
- Yellow (81%)
- Black (37%)



- Cyan (37%)
- Magenta (88%)
- Yellow (88%)

Brightness & Saturation Gradients

These gradients show how the YIQ color 69.8700, 77.4800, 27.5600 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 69.8700, 77.4800, 27.5600 by changing the saturation by 10% instead.

■ 69.8700, 77.4800,
27.5600

■ 69.8700, 77.4800,
27.5600

255.0000, -0.0000,
-0.0000

■ 40.1950, 75.1870,
30.5710

■ 127.5840, 84.0370,
24.3650

■ 30.1990, 60.1960,
21.4120

■ 155.4380, 87.3840,
24.2800

■ 21.2290, 42.3160,
15.0520

■ 174.4360, 72.5300,
18.1460

■ 13.2700, 25.9030,
9.6390

■ 193.8360, 56.4840,
11.5880

■ 0.0000, 0.0000,
0.0000

■ 213.3500, 40.1170,
5.3410

■ 233.5650, 23.1540,

-1.1180

■ 252.6060, 6.7410,
-6.5310

■ 69.8700, 77.4800,
27.5600

■ 69.8700, 77.4800,
27.5600

■ 58.6540, 87.0160,
30.9520

■ 81.0860, 67.9440,
24.1680

■ 48.1390, 95.9560,
34.1320

■ 92.3020, 58.4080,
20.7760

■ 103.5180, 48.8720,
17.3840

■ 114.7340, 39.3360,
13.9920

■ 126.0640, 29.4790,
10.9110

■ 137.8670, 19.6680,
6.9960

■ 149.0830, 10.1320,
3.6040

■ 160.2990, 0.5960,
0.2120

■ 171.5150, -8.9400,
-3.1800

Harmonies

Analogous

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



58.9390, 74.1730, 59.9730



69.8700, 77.4800, 27.5600



77.6450, 63.7310, -4.1170

Triad

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



69.8700, 77.4800, 27.5600



63.2770, -39.0100, -41.9380



72.6320, -83.2640, 11.2000

Complementary

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



69.8700, 77.4800, 27.5600



122.1300, -77.4800, -27.5600

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.



77.8350, -82.7580, 2.0260



69.8700, 77.4800, 27.5600



71.0800, -56.8480, -27.0240

Square

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



69.8700, 77.4800, 27.5600



68.6220, -0.4970, -40.5690



76.0790, -72.3020, -11.2620



83.1950, -21.0970, 35.4390

Rectangle

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



69.8700, 77.4800, 27.5600



78.3880, 44.9810, -16.7390



76.0790, -72.3020, -11.2620



75.4530, -84.3180, 8.2740

Sweetspot

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



69.8700, 77.4800, 27.5600



173.9500, 29.8000, 10.6000



84.0920, 34.5580, 67.5660



83.2690, 18.4760, 6.5720



232.0000, -0.0000, 0.0000



105.0000, 0.0000, 0.0000

Same Dimension

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



69.8700, 77.4800, 27.5600



66.6970, 120.9880, 43.0360



106.8510, 60.1550, -5.3890



75.6910, 5.3640, 1.9080



43.3550, 86.4200, 30.7400



5.3820, 10.7280, 3.8160

Inverse Universe

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



69.8700, 77.4800, 27.5600



66.6970, 120.9880, 43.0360



85.1490, -60.1550, 5.3890



75.6910, 5.3640, 1.9080



43.3550, 86.4200, 30.7400



5.3820, 10.7280, 3.8160

Previews

White Background



This preview shows how the YIQ color 69.8700, 77.4800, 27.5600 looks on a white background.

Color Contrast Check

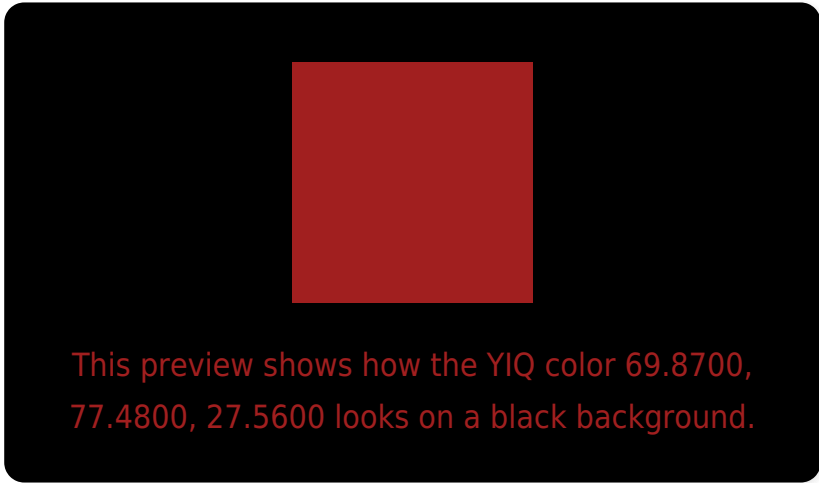
Large Text (above 18pt) WCAG AA ✓ Pass

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 69.8700, 77.4800, 27.5600

Background



This preview shows how black text looks on a background with the YIQ color 69.8700, 77.4800, 27.5600.



This preview shows how white text looks on a background with the YIQ color 69.8700, 77.4800,

27.5600.

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

69.8700, 77.4800, 27.5600

Protanopia

82.9460, 17.2870, -10.4330

Deuteranopia

81.1190, 35.6730, -13.2470



Tritanopia

69.8700, 77.4800, 27.5600

Trichromacy



Original Color

69.8700, 77.4800, 27.5600

Protanomaly

78.1110, 39.2920, 3.7720

Deuteranomaly

76.9890, 51.2590, 1.6510

Tritanomaly

69.8700, 77.4800, 27.5600

Monochromacy



Original Color

69.8700, 77.4800, 27.5600

Achromatopsia

70.0000, 0.0000, 0.0000

Achromatomaly

70.0530, 28.0120, 9.9640

CSS Examples

Text

The CSS property to change the color of the text to YIQ 69.8700, 77.4800, 27.5600 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(161, 31, 31)` looks like.

```
.text, #text, p{  
    color:rgb(161, 31, 31)  
}
```

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(161, 31, 31) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(161, 31, 31) }
```

Border

The CSS property to change the border of an element to YIQ 69.8700, 77.4800, 27.5600 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(161, 31, 31) }
```


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

```
.border{ border-color:rgb(161, 31, 31) }
```

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

Here you see how a box with a 4 pixel `rgb(161, 31, 31)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(161, 31, 31); -webkit-box-  
shadow:4px 4px 4px 4px rgb(161, 31, 31);  
box-shadow:4px 4px 4px 4px rgb(161, 31,  
31) }
```

Background

The CSS property to change the background color of an element to YIQ 69.8700, 77.4800, 27.5600 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(161, 31, 31) }
```

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

```
.background{ background-color: rgb(161, 31,  
31) }
```

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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