

Converting Colors

YIQ(70.9820, 98.9770, 61.9930)

Have a look what the booklet for
YIQ(70.9820, 98.9770, 61.9930)
contains.

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Color

**YIQ(70.9820, 98.9770,
61.9930)**

Conversions

Conversions Part 1

Format	Color
Hex	CC0443
RGB	204, 4, 67
RGB Percent	80%, 2%, 26%
CMY	0.1995, 0.9845, 0.7369
CMYK	0.00, 0.98, 0.67, 0.20
HSL	341°, 96%, 41%
HSV	341°, 98%, 80%
XYZ	25.9961, 13.3473, 6.5301
YIQ	70.9820, 98.9770, 61.9930

Conversions

Conversions Part 2

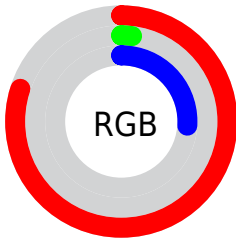
Format	Color
RYB	204, 4, 67
Decimal	13370435
CIELab	43.28, 69.03, 23.92
CIElCh	43, 73.062, 19.114
Yxy	13.3473, 0.5667, 0.2910
Android (android.graphics.Color)	4291560515 (0xFFCC0443)
YUV	70.9820, -1.9631, 116.6568
Hunter-Lab	36.5339, 63.0795, 14.9761

Details

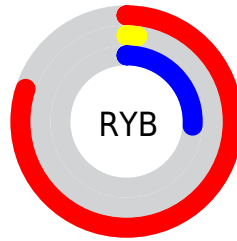
The YIQ color **70.9820, 98.9770, 61.9930** is a dark color, and the websafe version is hex **CC0033**. The color can be described as dark washed red. A complement of this color would be **137.0180, -98.9770, -61.9930**, and the grayscale version is **71.0000, -0.0000, -0.0000**.

A 20% lighter version of the original color is **140.4240, 91.1400, 44.3240**, and **45.0090, 76.0110, 37.6670** is the 20% darker color. If you saturate the color by 10%, you get **68.2920, 101.0400, 63.1520**, and if you desaturate by 10%, it is **84.3180, 88.9830, 55.8870**.

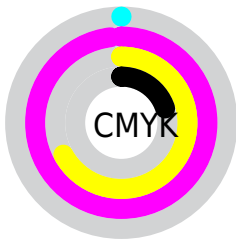
Distribution



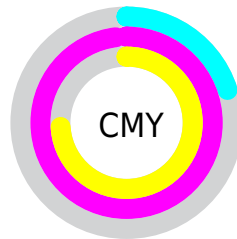
- Red (80%)
- Green (2%)
- Blue (26%)



- Red (80%)
- Yellow (2%)
- Blue (26%)



- Cyan (0%)
- Magenta (98%)
- Yellow (67%)
- Black (20%)





- Cyan (20%)
- Magenta (98%)
- Yellow (74%)

Brightness & Saturation Gradients

These gradients show how the YIQ color 70.9820, 98.9770, 61.9930 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 70.9820, 98.9770, 61.9930 by changing the saturation by 10% instead.


 70.9820, 98.9770,
61.9930


 70.9820, 98.9770,
61.9930


255.0000, -0.0000,
-0.0000


 56.8570, 88.6630,
50.6710


 140.4240, 91.1400,
44.3240


 45.0090, 76.0110,
37.6670


 160.8840, 74.8650,
36.4090


 33.1890, 66.1560,
23.5320

 181.4580, 58.2690,
28.8050

 24.1480, 47.0380,
17.5820

 201.6730, 41.3060,
22.3460

 15.1780, 29.1580,
11.2220

 221.7740, 24.6640,
15.5760

 0.0000, 0.0000,
0.0000

 242.6900, 7.1050,

■ 70.9820, 98.9770,
61.9930

■ 70.9820, 98.9770,
61.9930

■ 68.2920, 101.0400,
63.1520

■ 84.3180, 88.9830,
55.8870

■ 98.2410, 78.7140,
49.2580

■ 111.5770, 68.7200,
43.1520

■ 125.5000, 58.4510,
36.5230

■ 138.8360, 48.4570,
30.4170

■ 152.1720, 38.4630,
24.3110

■ 166.0950, 28.1940,
17.6820

■ 179.4310, 18.2000,
11.5760

■ 193.3540, 7.9310,
4.9470

Harmonies

Analogous

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



74.8430, 75.2240, 79.4800



70.9820, 98.9770, 61.9930



89.9370, 92.5680, 7.4160

Triad

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



70.9820, 98.9770, 61.9930



71.0270, -33.2750, -63.2830



93.5140, -103.4830, 8.6850

Complementary

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



70.9820, 98.9770, 61.9930



137.0180, -98.9770, -61.9930

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.



95.4910, -96.6490, -5.0410



70.9820, 98.9770, 61.9930



82.7400, -59.3670, -41.9510

Square

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



70.9820, 98.9770, 61.9930



91.7680, 22.5190, -39.1850



90.5090, -79.8650, -22.8810



81.2040, -96.3780, 17.5900

Rectangle

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



70.9820, 98.9770, 61.9930



95.9630, 71.3430, -9.9130



90.5090, -79.8650, -22.8810



95.1780, -102.6570, 4.7270

Sweetspot

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



70.9820, 98.9770, 61.9930



205.7480, 36.7210, 22.8410



67.7630, 17.4520, 91.2440



98.0510, 22.3260, 13.8940



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.



70.9820, 98.9770, 61.9930



85.3650, 126.3000, 78.9400



85.5190, 109.0250, 23.0490



95.3320, 4.9970, 3.0530



55.5620, 82.2440, 51.3640



12.7300, 18.7960, 11.7880

Inverse Universe

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



70.9820, 98.9770, 61.9930



85.3650, 126.3000, 78.9400



122.4810, -109.0250, -23.0490



95.3320, 4.9970, 3.0530



55.5620, 82.2440, 51.3640



12.7300, 18.7960, 11.7880

Previews

White Background



This preview shows how the YIQ color 70.9820, 98.9770, 61.9930 looks on a white background.

Color Contrast Check

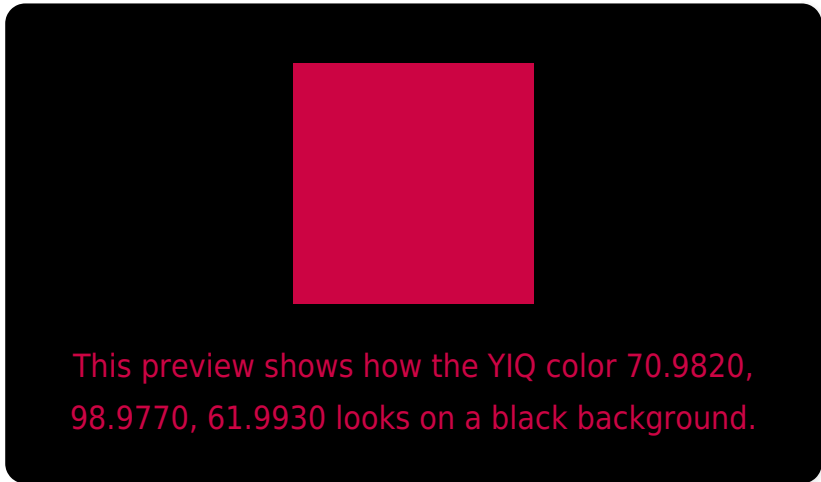
Large Text (above 18pt) WCAG AA ✓ Pass

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

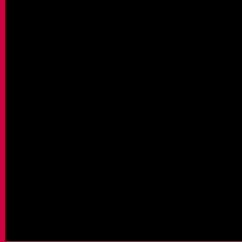
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

YIQ 70.9820, 98.9770, 61.9930

Background



This preview shows how black text looks on a background with the YIQ color 70.9820, 98.9770, 61.9930.



This preview shows how white text looks on a background with the YIQ color 70.9820, 98.9770,

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

70.9820, 98.9770, 61.9930

Protanopia

104.3270, 3.3930, -0.9190

Deuteranopia

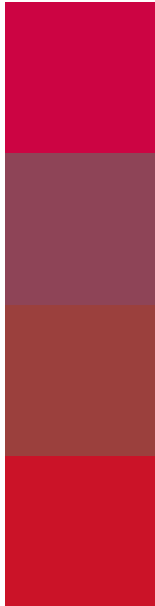
102.6980, 29.8490, -6.8150



Tritanopia

79.2820, 105.8590, 36.3790

Trichromacy



Original Color

70.9820, 98.9770, 61.9930

Protanomaly

92.2920, 38.0050, 21.5970

Deuteranomaly

90.8670, 55.1990, 18.3590

Tritanomaly

76.4100, 102.9230, 45.5390

Monochromacy



Original Color

70.9820, 98.9770, 61.9930

Achromatopsia

71.0000, -0.0000, -0.0000

Achromatomaly

71.1500, 35.5290, 22.4170

CSS Examples

Text

The CSS property to change the color of the text to YIQ 70.9820, 98.9770, 61.9930 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(204, 4, 67)` looks like.

```
.text, #text, p{  
    color:rgb(204, 4, 67)  
}
```

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(204, 4, 67) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(204, 4, 67) }
```

Border

The CSS property to change the border of an element to YIQ 70.9820, 98.9770, 61.9930 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(204, 4, 67) }
```


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

```
.border{ border-color:rgb(204, 4, 67) }
```

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

Here you see how a box with a 4 pixel `rgb(204, 4, 67)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(204, 4, 67); -webkit-box-  
shadow:4px 4px 4px 4px rgb(204, 4, 67);  
box-shadow:4px 4px 4px 4px rgb(204, 4, 67)  
}
```

Background

The CSS property to change the background color of an element to YIQ 70.9820, 98.9770, 61.9930 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(204, 4, 67) }
```

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

```
.background{ background-color: rgb(204, 4,  
67) }
```

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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