

# Converting Colors

YIQ(98.7180, 107.3270, 31.7990)

Have a look what the booklet for  
YIQ(98.7180, 107.3270, 31.7990)  
contains.

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# Color

**YIQ(98.7180, 107.3270,  
31.7990)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	DD3122
RGB	221, 49, 34
RGB Percent	87%, 19%, 13%
CMY	0.1329, 0.8081, 0.8662
CMYK	0.00, 0.78, 0.85, 0.13
HSL	5°, 73%, 50%
HSV	5°, 85%, 87%
XYZ	31.2355, 17.6949, 3.2910
YIQ	98.7180, 107.3270, 31.7990

# Conversions

## Conversions Part 2

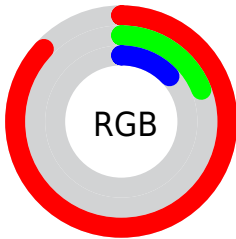
<b>Format</b>	<b>Color</b>
<a href="#">RYB</a>	<a href="#">221, 50, 34</a>
Decimal	<a href="#">14496034</a>
CIELab	<a href="#">49.12, 64.34, 49.98</a>
CIELCh	<a href="#">49, 81.471, 37.844</a>
Yxy	<a href="#">17.6949, 0.5981, 0.3388</a>
Android (android.graphics.Color)	<a href="#">4292686114 (0xFFDD3122)</a>
YUV	<a href="#">98.7180, -31.9060, 107.2413</a>
Hunter-Lab	<a href="#">42.0653, 58.9306, 24.8071</a>

# Details

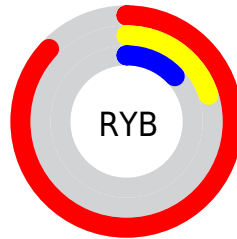
The YIQ color **98.7180, 107.3270, 31.7990** is a dark color, and the websafe version is hex **CC0000**. The color can be described as dark washed red. A complement of this color would be **156.2820, -107.3270, -31.7990**, and the grayscale version is **99.0000, -0.0000, 0.0000**.

A 20% lighter version of the original color is **150.1630, 95.4080, 22.0320**, and **46.9430, 93.5720, 33.2840** is the 20% darker color. If you saturate the color by 10%, you get **84.4700, 119.8890, 35.4170**, and if you desaturate by 10%, it is **112.9660, 94.7650, 28.1810**.

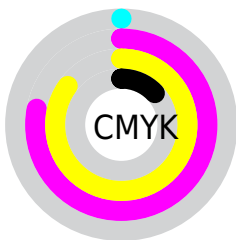
# Distribution



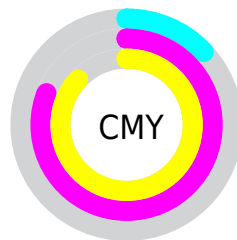
- Red (87%)
- Green (19%)
- Blue (13%)



- Red (87%)
- Yellow (20%)
- Blue (13%)



- Cyan (0%)
- Magenta (78%)
- Yellow (85%)
- Black (13%)




- Cyan (13%)
- Magenta (81%)
- Yellow (87%)


# Brightness & Saturation Gradients

These gradients show how the YIQ color 98.7180, 107.3270, 31.7990 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 98.7180, 107.3270, 31.7990 by changing the saturation by 10% instead.





 98.7180, 107.3270,  
31.7990


 98.7180, 107.3270,  
31.7990


255.0000, -0.0000,  
-0.0000


 57.6510, 109.4340,  
43.1780


 150.1630, 95.4080,  
22.0320


 46.9430, 93.5720,  
33.2840


 170.0360, 79.4080,  
14.6400


 37.3750, 74.5000,  
26.5000


 189.3220, 63.6830,  
7.7710

 28.1060, 56.0240,  
19.9280

 209.4230, 47.0410,  
1.0010

 19.7770, 37.7770,  
14.7130

 230.1110, 30.1240,  
-6.2920

 9.3830, 18.1550,  
6.8830

 250.3260, 13.1610,

 0.0000, 0.0000,

-12.7510

0.0000

253.6320, 3.8520,  
-3.7320

98.7180, 107.3270,  
31.7990

98.7180, 107.3270,  
31.7990

84.4700, 119.8890,  
35.4170

112.9660, 94.7650,  
28.1810

76.6450, 126.7660,  
37.4380

127.8010, 81.9280,  
24.0400

142.0490, 69.3660,  
20.4220

156.4110, 56.4830,  
17.1150

171.2460, 43.6460,  
12.9740

■ 185.4940, 31.0840,  
9.3560

■ 199.7420, 18.5220,  
5.7380

■ 214.5770, 5.6850,  
1.5970

■ 228.8250, -6.8770,  
-2.0210

# Harmonies

## Analogous

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



81.5940, 106.7220, 81.3300



98.7180, 107.3270, 31.7990



109.0090, 82.8970, -10.0550

# Triad

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



98.7180, 107.3270, 31.7990



90.1940, -58.3100, -55.6060



99.5100, -114.8550, 16.5450

# Complementary

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



98.7180, 107.3270, 31.7990



156.2820, -107.3270, -31.7990

# 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.



109.0500, -116.9160, 4.3320



98.7180, 107.3270, 31.7990



100.3910, -82.8890, -34.1610

# Square

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



98.7180, 107.3270, 31.7990



91.8030, -12.0930, -61.7010



108.0290, -104.3960, -13.3240



118.1980, -16.0110, 53.4050



# Rectangle

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



98.7180, 107.3270, 31.7990



110.2840, 56.5370, -27.9350



108.0290, -104.3960, -13.3240



104.2060, -117.0550, 12.3610

# Sweetspot

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



98.7180, 107.3270, 31.7990



213.0710, 36.7690, 10.9530



109.8630, 55.2770, 94.0690



102.4220, 22.4190, 6.6990



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.



98.7180, 107.3270, 31.7990



87.9850, 146.4800, 43.6000



152.1350, 82.3020, -15.7940



102.8760, 6.2810, 1.8090



59.9450, 99.2580, 29.3540



16.1020, 26.3160, 7.6600



# Inverse Universe

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



156.2820, -107.3270, -31.7990



167.0150, -146.4800, -43.6000



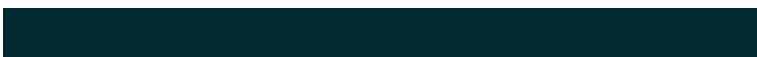
102.8650, -82.3020, 15.7940



106.1240, -6.2810, -1.8090



113.6420, -99.5330, -29.8770



29.8980, -26.3160, -7.6600



# Previews

## White Background



This preview shows how the YIQ color 98.7180, 107.3270, 31.7990 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

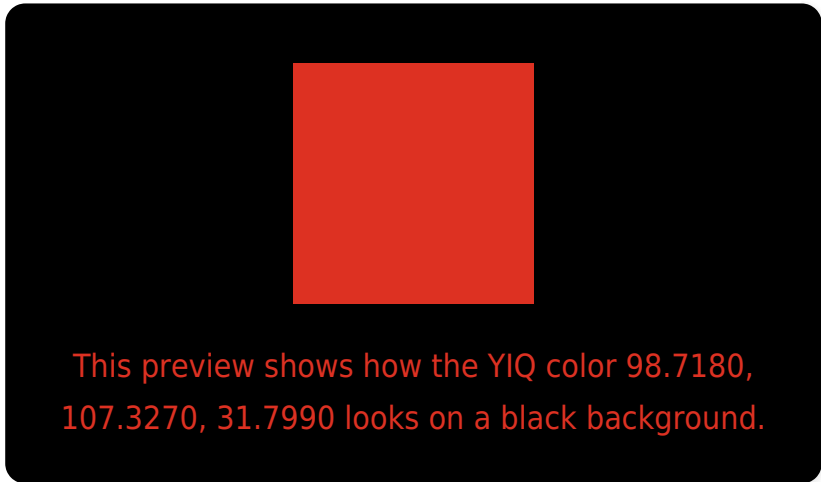
Any Text WCAG AA ✓ Pass

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 98.7180, 107.3270, 31.7990

## Background



This preview shows how black text looks on a background with the YIQ color 98.7180, 107.3270, 31.7990.



This preview shows how white text looks on a background with the YIQ color 98.7180, 107.3270,



# 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

98.7180, 107.3270, 31.7990

### Protanopia

114.2490, 29.2550, -18.0810

### Deuteranopia

110.0500, 57.3160, -25.5320



## Tritanopia

99.1400, 103.3830, 37.1990

# Trichromacy



## Original Color

98.7180, 107.3270, 31.7990

## Protanomaly

108.7570, 57.7240, 0.1240

## Deuteranomaly

105.5770, 75.6060, -4.5700

## Tritanomaly

99.1570, 104.7130, 35.1210

# Monochromacy



## Original Color

98.7180, 107.3270, 31.7990

## Achromatopsia

99.0000, -0.0000, 0.0000

## Achromatomaly

98.8540, 38.8780, 11.2780

# CSS Examples

## Text

The CSS property to change the color of the text to YIQ 98.7180, 107.3270, 31.7990 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(221, 49, 34)` looks like.

```
.text, #text, p{  
    color:rgb(221, 49, 34)  
}
```

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(221, 49, 34) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(221, 49, 34) }
```

## Border

The CSS property to change the border of an element to YIQ 98.7180, 107.3270, 31.7990 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(221, 49, 34) }
```



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

```
.border{ border-color:rgb(221, 49, 34) }
```

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

Here you see how a box with a 4 pixel rgb(221, 49, 34) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(221, 49, 34); -webkit-box-  
shadow:4px 4px 4px 4px rgb(221, 49, 34);  
box-shadow:4px 4px 4px 4px rgb(221, 49,  
34) }
```

# Background

The CSS property to change the background color of an element to YIQ 98.7180, 107.3270, 31.7990 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(221, 49, 34) }
```

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

```
.background{ background-color: rgb(221, 49,  
34) }
```

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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