

Converting Colors

YIQ(50.5050, 77.2500, 31.7300)

Have a look what the booklet for
YIQ(50.5050, 77.2500, 31.7300)
contains.

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Color

**YIQ(50.5050, 77.2500,
31.7300)**

Conversions

Conversions Part 1

Format	Color
Hex	900913
RGB	144, 9, 19
RGB Percent	56%, 4%, 7%
CMY	0.4350, 0.9648, 0.9252
CMYK	0.00, 0.94, 0.87, 0.43
HSL	356°, 88%, 30%
HSV	356°, 94%, 57%
XYZ	11.7315, 6.1782, 1.1937
YIQ	50.5050, 77.2500, 31.7300

Conversions

Conversions Part 2

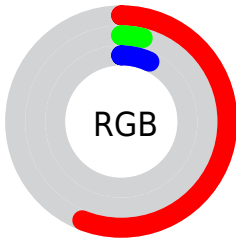
Format	Color
RYB	144, 9, 19
Decimal	9439507
CIELab	29.86, 51.28, 34.64
CIELCh	30, 61.885, 34.033
Yxy	6.1782, 0.6141, 0.3234
Android (android.graphics.Color)	4287629587 (0xFF900913)
YUV	50.5050, -15.5320, 81.9951
Hunter-Lab	24.8561, 40.7496, 14.5518

Details

The YIQ color **50.5050, 77.2500, 31.7300** is a dark color, and the websafe version is hex **990000**. A complement of this color would be **102.4950, -77.2500, -31.7300**, and the grayscale version is **51.0000, -0.0000, -0.0000**.

A 20% lighter version of the original color is **111.9150, 81.6070, 24.3510**, and **25.1160, 50.0640, 17.8080** is the 20% darker color. If you saturate the color by 10%, you get **44.3100, 82.2930, 33.9490**, and if you desaturate by 10%, it is **60.2050, 69.2270, 28.4510**.

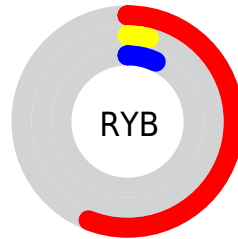
Distribution



Red (56%)

Green (4%)

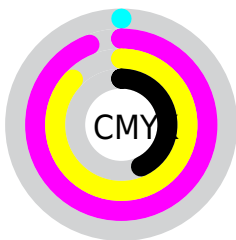
Blue (7%)



Red (56%)

Yellow (4%)

Blue (7%)

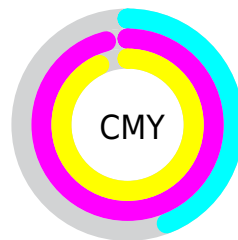


Cyan (0%)

Magenta (94%)

Yellow (87%)

Black (43%)



Cyan (44%)


Magenta (96%)

Yellow (93%)

Brightness & Saturation Gradients


These gradients show how the YIQ color 50.5050, 77.2500, 31.7300 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 50.5050, 77.2500, 31.7300 by changing the saturation by 10% instead.


 50.5050, 77.2500,
31.7300


 50.5050, 77.2500,
31.7300


 253.9740, 2.8890,
-2.7990


 34.0860, 67.9440,
24.1680


 111.9150, 81.6070,
24.3510


 25.1160, 50.0640,
17.8080

 139.9540, 85.8710,
24.1670


 17.5700, 33.9260,
12.9180

 164.0350, 81.1490,
21.6370

 5.3820, 10.7280,
3.8160

 183.3210, 65.4240,
14.7680

 0.0000, 0.0000,
0.0000

 202.8350, 49.0570,
8.5210

 222.9360, 32.4150,

1.7510

■ 243.1510, 15.4520,
-4.7080

■ 50.5050, 77.2500,
31.7300

■ 50.5050, 77.2500,
31.7300

■ 44.3100, 82.2930,
33.9490

■ 60.2050, 69.2270,
28.4510

■ 70.6060, 60.6080,
24.9600

■ 80.3060, 52.5850,
21.6810

■ 90.5930, 44.2870,
17.8790

■ 100.4070, 35.9430,
14.9110

■ 110.1070, 27.9200,
11.6320

■ 120.3940, 19.6220,
7.8300

■ 130.2080, 11.2780,
4.8620

■ 140.4950, 2.9800,
1.0600

Harmonies

Analogous

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



52.3740, 68.2140, 52.3260



50.5050, 77.2500, 31.7300



64.9310, 57.1740, -0.9220

Triad

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



50.5050, 77.2500, 31.7300



53.6910, -31.3080, -38.3480



63.1770, -74.5530, 13.0230

Complementary

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



50.5050, 77.2500, 31.7300



102.4950, -77.2500, -31.7300

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.



68.4940, -74.3680, 4.1600



50.5050, 77.2500, 31.7300



60.9070, -48.8710, -22.9110

Square

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



50.5050, 77.2500, 31.7300



56.5060, -5.8620, -36.9500



66.9660, -64.5540, -8.5060



69.5540, -20.7300, 34.2940

Rectangle

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



50.5050, 77.2500, 31.7300



66.5600, 38.7450, -13.8550



66.9660, -64.5540, -8.5060



66.1120, -75.9280, 10.4080

Sweetspot

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



50.5050, 77.2500, 31.7300



150.0040, 29.7080, 12.2680



61.4660, 30.5690, 68.2730



71.9100, 18.1090, 7.7170



222.0000, -0.0000, 0.0000



94.0000, 0.0000, 0.0000

Same Dimension

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



50.5050, 77.2500, 31.7300



57.2100, 106.3620, 43.7860



82.2370, 65.0600, -0.6680



66.2070, 3.8510, 1.7950



41.5050, 77.2500, 31.7300



2.5060, 4.4470, 2.0070

Inverse Universe

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



50.5050, 77.2500, 31.7300



57.2100, 106.3620, 43.7860



70.7630, -65.0600, 0.6680



66.2070, 3.8510, 1.7950



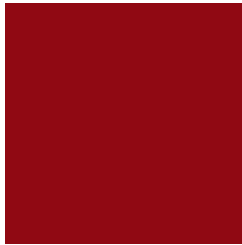
41.5050, 77.2500, 31.7300



2.5060, 4.4470, 2.0070

Previews

White Background



This preview shows how the YIQ color 50.5050, 77.2500, 31.7300 looks on a white background.

Color Contrast Check

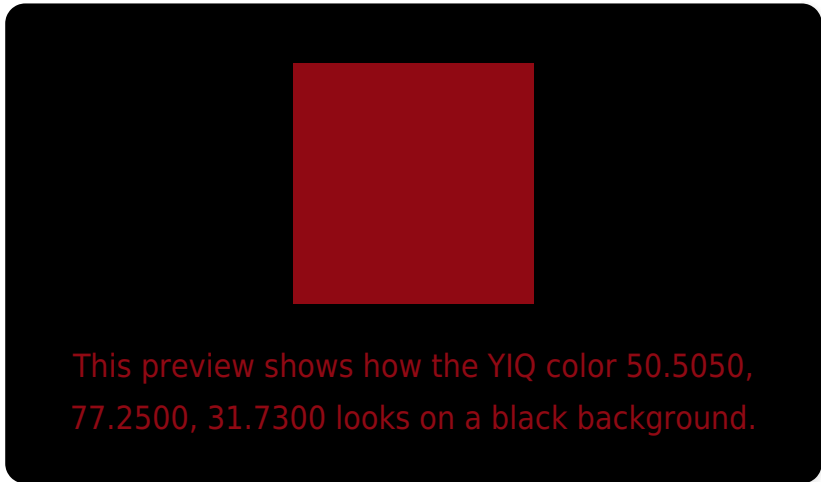
Large Text (above 18pt) WCAG AA ✓ Pass

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 50.5050, 77.2500, 31.7300

Background



This preview shows how black text looks on a background with the YIQ color 50.5050, 77.2500, 31.7300.



This preview shows how white text looks on a background with the YIQ color 50.5050, 77.2500,

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

50.5050, 77.2500, 31.7300

Protanopia

70.7180, 17.9290, -11.0550

Deuteranopia

68.0110, 35.8570, -16.5830



Tritanopia

50.6870, 82.2490, 23.7290

Trichromacy



Original Color

50.5050, 77.2500, 31.7300

Protanomaly

63.5240, 39.5670, 4.2950

Deuteranomaly

61.5760, 50.9840, 1.1280

Tritanomaly

50.8980, 80.2770, 26.4290

Monochromacy



Original Color

50.5050, 77.2500, 31.7300

Achromatopsia

51.0000, -0.0000, -0.0000

Achromatomaly

50.9930, 28.2410, 11.3210

CSS Examples

Text

The CSS property to change the color of the text to YIQ 50.5050, 77.2500, 31.7300 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(144, 9, 19)` looks like.

```
.text, #text, p{  
    color:rgb(144, 9, 19)  
}
```

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(144, 9, 19) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(144, 9, 19) }
```

Border

The CSS property to change the border of an element to YIQ 50.5050, 77.2500, 31.7300 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(144, 9, 19) }
```


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

```
.border{ border-color:rgb(144, 9, 19) }
```

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

Here you see how a box with a 4 pixel `rgb(144, 9, 19)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(144, 9, 19); -webkit-box-  
shadow:4px 4px 4px 4px rgb(144, 9, 19);  
box-shadow:4px 4px 4px 4px rgb(144, 9, 19)  
}
```

Background

The CSS property to change the background color of an element to YIQ 50.5050, 77.2500, 31.7300 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(144, 9, 19) }
```

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

```
.background{ background-color: rgb(144, 9,  
19) }
```

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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