

Converting Colors

YIQ(50.3910, 77.5710, 31.4190)

Have a look what the booklet for
YIQ(50.3910, 77.5710, 31.4190)
contains.

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Color

**YIQ(50.3910, 77.5710,
31.4190)**

Conversions

Conversions Part 1

Format	Color
Hex	900912
RGB	144, 9, 18
RGB Percent	56%, 4%, 7%
CMY	0.4350, 0.9648, 0.9291
CMYK	0.00, 0.94, 0.87, 0.43
HSL	356°, 88%, 30%
HSV	356°, 94%, 57%
XYZ	11.7230, 6.1749, 1.1496
YIQ	50.3910, 77.5710, 31.4190

Conversions

Conversions Part 2

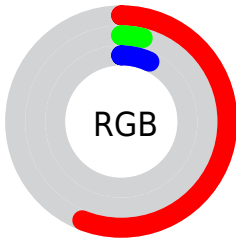
Format	Color
RYB	144, 9, 18
Decimal	9439506
CIELab	29.85, 51.26, 35.18
CIELCh	30, 62.169, 34.458
Yxy	6.1749, 0.6155, 0.3242
Android (android.graphics.Color)	4287629586 (0xFF900912)
YUV	50.3910, -15.9688, 82.0951
Hunter-Lab	24.8493, 40.7240, 14.6517

Details

The YIQ color **50.3910, 77.5710, 31.4190** is a dark color, and the websafe version is hex **990000**. A complement of this color would be **102.6090, -77.5710, -31.4190**, and the grayscale version is **50.0000, -0.0000, -0.0000**.

A 20% lighter version of the original color is **111.8010, 81.9280, 24.0400**, and **25.1160, 50.0640, 17.8080** is the 20% darker color. If you saturate the color by 10%, you get **44.1960, 82.6140, 33.6380**, and if you desaturate by 10%, it is **60.2050, 69.2270, 28.4510**.

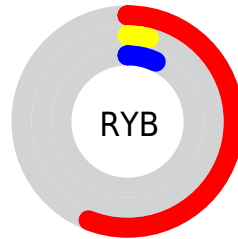
Distribution



Red (56%)

Green (4%)

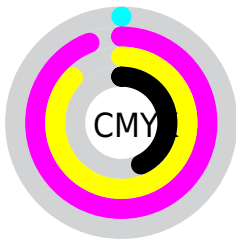
Blue (7%)



Red (56%)

Yellow (4%)

Blue (7%)

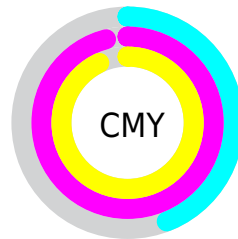


Cyan (0%)

Magenta (94%)

Yellow (87%)

Black (43%)



Cyan (44%)

Magenta (96%)

Yellow (93%)

Brightness & Saturation Gradients

These gradients show how the YIQ color 50.3910, 77.5710, 31.4190 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 50.3910, 77.5710, 31.4190 by changing the saturation by 10% instead.

■ 50.3910, 77.5710,
31.4190

■ 50.3910, 77.5710,
31.4190

■ 253.8600, 3.2100,
-3.1100

■ 34.0860, 67.9440,
24.1680

■ 111.8010, 81.9280,
24.0400

■ 25.1160, 50.0640,
17.8080

■ 139.8400, 86.1920,
23.8560

■ 17.5700, 33.9260,
12.9180

■ 163.9210, 81.4700,
21.3260

■ 5.3820, 10.7280,
3.8160

■ 183.2070, 65.7450,
14.4570

■ 0.0000, 0.0000,
0.0000

■ 202.7210, 49.3780,
8.2100

■ 222.8220, 32.7360,

1.4400

■ 243.0370, 15.7730,
-5.0190

■ 50.3910, 77.5710,
31.4190

■ 50.3910, 77.5710,
31.4190

■ 44.1960, 82.6140,
33.6380

■ 60.2050, 69.2270,
28.4510

■ 70.4920, 60.9290,
24.6490

■ 80.1920, 52.9060,
21.3700

■ 90.5930, 44.2870,
17.8790

■ 100.2930, 36.2640,
14.6000

■ 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.



52.5590, 69.1310, 52.2270



50.3910, 77.5710, 31.4190



65.5180, 56.8990, -1.4450

Triad

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



50.3910, 77.5710, 31.4190



53.8050, -31.6290, -38.0370



63.2910, -74.8740, 13.3340

Complementary

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



50.3910, 77.5710, 31.4190



102.6090, -77.5710, -31.4190

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.



68.6080, -74.6890, 4.4710



50.3910, 77.5710, 31.4190



61.0210, -49.1920, -22.6000

Square

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



50.3910, 77.5710, 31.4190



56.2070, -6.4580, -37.1620



66.9660, -64.5540, -8.5060



70.1520, -19.5380, 34.7180

Rectangle

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



50.3910, 77.5710, 31.4190



66.2610, 38.1490, -14.0670



66.9660, -64.5540, -8.5060



66.1120, -75.9280, 10.4080

Sweetspot

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



50.3910, 77.5710, 31.4190



150.0040, 29.7080, 12.2680



61.4660, 30.5690, 68.2730



71.7960, 18.4300, 7.4060



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.



50.3910, 77.5710, 31.4190



57.0960, 106.6830, 43.4750



82.2370, 65.0600, -0.6680



66.2070, 3.8510, 1.7950



41.3910, 77.5710, 31.4190



2.5060, 4.4470, 2.0070

Inverse Universe

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



50.3910, 77.5710, 31.4190



57.0960, 106.6830, 43.4750



70.7630, -65.0600, 0.6680



66.2070, 3.8510, 1.7950



41.3910, 77.5710, 31.4190



2.5060, 4.4470, 2.0070

Previews

White Background



This preview shows how the YIQ color 50.3910, 77.5710, 31.4190 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

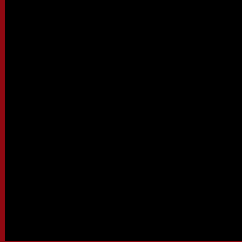
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

YIQ 50.3910, 77.5710, 31.4190

Background



This preview shows how black text looks on a background with the YIQ color 50.3910, 77.5710, 31.4190.



This preview shows how white text looks on a background with the YIQ color 50.3910, 77.5710,

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

50.3910, 77.5710, 31.4190

Protanopia

70.6040, 18.2500, -11.3660

Deuteranopia

68.0110, 35.8570, -16.5830



Tritanopia

50.6870, 82.2490, 23.7290

Trichromacy



Original Color

50.3910, 77.5710, 31.4190

Protanomaly

63.4100, 39.8880, 3.9840

Deuteranomaly

61.5760, 50.9840, 1.1280

Tritanomaly

50.8980, 80.2770, 26.4290

Monochromacy



Original Color

50.3910, 77.5710, 31.4190

Achromatopsia

50.0000, -0.0000, -0.0000

Achromatomaly

49.9930, 28.2410, 11.3210

CSS Examples

Text

The CSS property to change the color of the text to YIQ 50.3910, 77.5710, 31.4190 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, 18)` looks like.

```
.text, #text, p{  
    color:rgb(144, 9, 18)  
}
```

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, 18) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(144, 9, 18) }
```

Border

The CSS property to change the border of an element to YIQ 50.3910, 77.5710, 31.4190 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, 18) }
```


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

```
.border{ border-color:rgb(144, 9, 18) }
```

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, 18) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(144, 9, 18); -webkit-box-  
shadow:4px 4px 4px 4px rgb(144, 9, 18);  
box-shadow:4px 4px 4px 4px rgb(144, 9, 18)  
}
```

Background

The CSS property to change the background color of an element to YIQ 50.3910, 77.5710, 31.4190 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, 18) }
```

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

```
.background{ background-color: rgb(144, 9,  
18) }
```

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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