

# Converting Colors

YIQ(93.5050, 31.4100, -18.5900)

Have a look what the booklet for  
YIQ(93.5050, 31.4100, -18.5900)  
contains.

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# Color

**YIQ(93.5050, 31.4100,  
-18.5900)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	70611B
RGB	112, 97, 27
RGB Percent	44%, 38%, 11%
CMY	0.5608, 0.6196, 0.8939
CMYK	0.00, 0.13, 0.76, 0.56
HSL	49°, 61%, 27%
HSV	49°, 76%, 44%
XYZ	11.1543, 12.0721, 2.7819
YIQ	93.5050, 31.4100, -18.5900

# Conversions

## Conversions Part 2

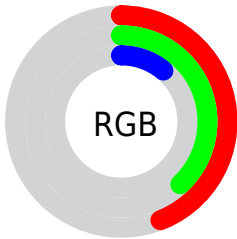
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	45, 112, 27
Decimal	7364891
CIE <sub>Lab</sub>	41.33, -2.32, 39.94
CIE <sub>LCh</sub>	41, 40.007, 93.322
Yxy	12.0721, 0.4289, 0.4642
Android (android.graphics.Color)	4285554971 (0xFF70611B)
YUV	93.5050, -32.7870, 16.2201
Hunter-Lab	34.7450, -3.4993, 19.5743

# Details

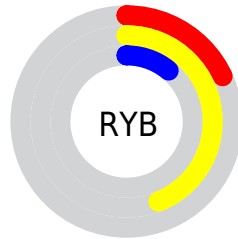
The YIQ color **93.5050, 31.4100, -18.5900** is a dark color, and the websafe version is hex **666600**. A complement of this color would be **45.4950, -31.4100, 18.5900**, and the grayscale version is **94.0000, 0.0000, 0.0000**.

A 20% lighter version of the original color is **144.5870, 34.1150, -18.0530**, and **48.1760, 22.3310, -13.7410** is the 20% darker color. If you saturate the color by 10%, you get **91.0770, 35.4910, -20.9650**, and if you desaturate by 10%, it is **95.9330, 27.3290, -16.2150**.

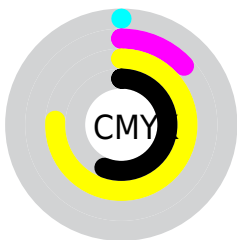
# Distribution



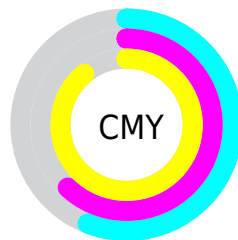
- Red (44%)
- Green (38%)
- Blue (11%)



- Red (18%)
- Yellow (44%)
- Blue (11%)



- Cyan (0%)
- Magenta (13%)
- Yellow (76%)
- Black (56%)



- Cyan (56%)
- Magenta (62%)
- Yellow (89%)

# Brightness & Saturation Gradients

These gradients show how the YIQ color 93.5050, 31.4100, -18.5900 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 93.5050, 31.4100, -18.5900 by changing the saturation by 10% instead.



■ 93.5050, 31.4100,  
-18.5900

■ 93.5050, 31.4100,  
-18.5900

■ 255.0000, -0.0000,  
-0.0000

■ 68.5650, 31.1810,  
-19.9470

■ 144.5870, 34.1150,  
-18.0530

■ 48.1760, 22.3310,  
-13.7410

■ 171.6580, 35.3530,  
-18.4630

■ 28.3740, 13.2060,  
-8.0580

■ 199.1420, 36.8660,  
-18.3500

■ 3.8210, -1.0540,  
-2.9260

■ 227.5120, 38.7000,  
-18.5480

■ 0.0000, 0.0000,  
0.0000

■ 246.4500, 24.0750,  
-23.3250

■ 249.6420, 15.0870,

-14.6170

■ 252.9480, 5.7780,  
-5.5980

■ 93.5050, 31.4100,  
-18.5900

■ 93.5050, 31.4100,  
-18.5900

■ 91.0770, 35.4910,  
-20.9650

■ 95.9330, 27.3290,  
-16.2150

■ 88.6490, 39.5720,  
-23.3400

■ 98.3610, 23.2480,  
-13.8400

■ 87.4920, 41.4520,  
-24.3720

■ 100.9030, 18.8460,  
-11.1540

■ 103.3310, 14.7650,  
-8.7790

■ 105.7590, 10.6840,  
-6.4040

■ 108.1870, 6.6030,  
-4.0290

■ 110.6150, 2.5220,  
-1.6540

■ 113.1570, -1.8800,  
1.0320

■ 115.5850, -5.9610,  
3.4070

# Harmonies

## Analogous

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



95.7880, 47.2710, -3.1690



93.5050, 31.4100, -18.5900



89.9900, 4.8190, -26.7730

# Triad

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



93.5050, 31.4100, -18.5900



81.4930, -73.7680, -17.7360



99.8900, 22.0020, 30.7860

# Complementary

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



93.5050, 31.4100, -18.5900



45.4950, -31.4100, 18.5900

# 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.



99.6070, -11.0540, 24.1300



93.5050, 31.4100, -18.5900



81.7670, -80.0510, -8.4910

# Square

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



93.5050, 31.4100, -18.5900



78.3180, -63.4500, -28.5220



87.1490, -60.1550, 5.3890



97.6890, 44.3770, 27.2650



# Rectangle

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



93.5050, 31.4100, -18.5900



85.6050, -19.0220, -29.7260



87.1490, -60.1550, 5.3890



100.5730, 12.6490, 29.5850

# Sweetspot

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



93.5050, 31.4100, -18.5900



137.7160, 12.2430, -7.1250



54.2390, 45.5240, 22.9960



69.2580, 7.8410, -4.4390



201.0000, -0.0000, 0.0000



74.0000, -0.0000, 0.0000



# Same Dimension

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



93.5050, 31.4100, -18.5900



116.4510, 48.6970, -29.0230



94.2370, 11.1930, -32.1590



54.7290, 2.2010, -1.3430



93.9930, 44.2950, -26.3370



193.6010, 91.1120, -54.3280



# Inverse Universe

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



45.4950, -31.4100, 18.5900



41.5490, -48.6970, 29.0230



44.7630, -11.1930, 32.1590



51.2710, -2.2010, 1.3430



26.0070, -44.2950, 26.3370



53.9860, -91.3870, 53.8050



# Previews

## White Background



This preview shows how the YIQ color 93.5050, 31.4100, -18.5900 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



This preview shows how the YIQ color 93.5050, 31.4100, -18.5900 looks on a 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 93.5050, 31.4100, -18.5900

## Background



This preview shows how black text looks on a background with the YIQ color 93.5050, 31.4100, -18.5900.



This preview shows how white text looks on a background with the YIQ color 93.5050, 31.4100,

-18.5900.

# 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

93.5050, 31.4100, -18.5900

### Protanopia

93.4940, 29.9430, -19.5370

### Deuteranopia

94.3750, 37.8280, -13.7560



## Tritanopia

99.5720, 13.2490, 7.6890

# Trichromacy



## Original Color

93.5050, 31.4100, -18.5900

## Protanomaly

93.7930, 30.5390, -19.3250

## Deuteranomaly

93.6520, 35.4900, -15.4380

## Tritanomaly

97.1840, 19.8530, -1.8670

# Monochromacy



## Original Color

93.5050, 31.4100, -18.5900

## Achromatopsia

94.0000, 0.0000, 0.0000

## Achromatomaly

93.9440, 11.6010, -6.5030

# CSS Examples

## Text

The CSS property to change the color of the text to YIQ 93.5050, 31.4100, -18.5900 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(112, 97, 27)` looks like.

```
.text, #text, p{  
    color:rgb(112, 97, 27)  
}
```

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(112, 97, 27) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(112, 97, 27) }
```

## Border

The CSS property to change the border of an element to YIQ 93.5050, 31.4100, -18.5900 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(112, 97, 27) }
```



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

```
.border{ border-color:rgb(112, 97, 27) }
```

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

Here you see how a box with a 4 pixel rgb(112, 97, 27) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(112, 97, 27); -webkit-box-  
shadow:4px 4px 4px 4px rgb(112, 97, 27);  
box-shadow:4px 4px 4px 4px rgb(112, 97,  
27) }
```

# Background

The CSS property to change the background color of an element to YIQ 93.5050, 31.4100, -18.5900 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(112, 97, 27) }
```

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

```
.background{ background-color: rgb(112, 97,  
27) }
```

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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